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Power Analyser

UMG 96-PQ-L
UMG 96-PQ-L-LP

ab Firmware Version 3.57

Modbus-Adressenliste und Formelsammlung

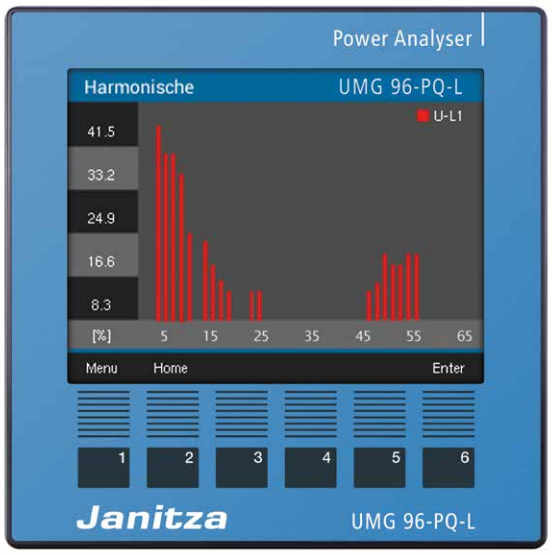


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Dok Nr. 2.061.067.2.d 07/2025

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Definitionen

Aktualisierungsrate

Die Modbus-Registeradressen werden alle 200 ms aktualisiert.

Byte-Reihenfolge

Die Daten in der Modbus-Adressenliste können im Format

- Big-Endian (High-Byte vor Low-Byte) und im Format
- Little-Endian (Low-Byte vor High-Byte)

abgerufen werden.
Die in dieser Adressenliste beschrieben Adressen liefern die Daten im Format „Big-Endian“ zurück. Wenn Sie Daten im Format „Little-Endian“ benötigen, müssen Sie zur Adresse den Wert 32768 addieren.

Fourieranalyse

- Mit der Fourieranalyse wird der Anteil der Oberschwingungen am Gesamtsignal ermittelt.
- 1. Harmonische = Grundschwingung (50/60 Hz)
- 2. Harmonische = 1. Oberschwingung (100/120 Hz)
- usw.

RS485 Übertragungsparameter

Das Messgerät unterstützt folgende Übertragungsparameter:

Typ	Maximum
Baudrate	9600, 19200, 38400, 57600, 115200 Baud
Datenbits	8
Framing	1 Stoppbit & keine Parität 1 Stoppbit & Parität even 1 Stoppbit & Parität odd 2 Stoppbits & keine Parität

Tab. RS485 Übertragungsparameter

Schleppzeiger

Schleppzeigerwerte sind die 3 höchsten Mittelwerte über eine einstellbare Periodendauer (Zeitbasis) seit dem letzten Löschen der Min-/Max-Werte.

Symbolerklärung

Symbol	Definition
N	Gesamtzahl der Abtastpunkte je Periode (zum Beispiel in einer Periode von 20 ms)
k	Abtastwert oder Anzahl der Abtastwerte je Periode (0 <= k < N)
p	Nummer bzw. Kennung des Außenleiters (p = 1, 2 oder 3)
i_{pk}	Abtastwert k des Stroms von Außenleiter p
u_{pNk}	Abtastwert k der Neutralspannung von Außenleiter p
P_p	Wirkleistung für Außenleiter p Der Index 0 kennzeichnet die Grundschwingung, z.B. P01= Wirkleistung der Grundschwingung in L1
Fund.	fundamental oscillation, Grundschwingung
Psum3	= P1+P2+P3
short (x10) (x100) (x1000)	Die Messwerte wurden um den angegeben Faktor multipliziert, um das Zahlenformat short besser auszunutzen. Werte in x100 müssen also noch durch 100 dividiert werden.

Tab. Symbolerklärung

Zahlenformate

- Messwerte im **Short-Format** berücksichtigen **nicht** die eingestellten Wandlerverhältnisse, d.h. diese Messwerte sind mit dem entsprechenden Wandlerverhältnis zu multiplizieren!
- Messwerte im **Float oder Integer-Format** berücksichtigen die entsprechenden Wandlerverhältnisse.

Typ	Größe	Minimum	Maximum
char	8 bit	0	255
byte	8 bit	-128	127
short	16 bit	-2^{15}	2^{15} -1
ushort	16 bit	0	2^{16} -1
int	32 bit	-2^{31}	2^{31} -1
uint	32 bit	0	2^{32} -1
long	64 bit	-2^{63}	2^{63} -1
ulong	64 bit	0	2^{64} -1
float	32 bit	IEEE 754	IEEE 754
double	64 bit	IEEE 754	IEEE 754

Tab. Zahlenformate

Erläuterungen zu den Messwerten

Messwert

- Ein Messwert ist ein Effektivwert der über einen Zeitraum (Messfenster) von 200 ms gebildet wird.
- Ein Messfenster im 50 Hz Netz beträgt 10 Perioden und im 60 Hz Netz 12 Perioden.
- Ein Messfenster hat einen Startzeitpunkt und einen Endzeitpunkt.
- Die Auflösung von Startzeitpunkt und Endzeitpunkt betragen ca. 2 ns.
- Die Genauigkeit von Startzeitpunkt und Endzeitpunkt hängt von der Genauigkeit der internen Uhr ab. (Typisch +- 1 Minute/Monat)
- Um die Genauigkeit der internen Uhr zu verbessern empfiehlt es sich die Uhrzeit im Gerät mit der eines Zeitservers zu vergleichen und nachzuführen.

Mittelwert des Messwertes

- Für jeden Messwert wird über den gewählten Mittelungszeitraum ein gleitender Mittelwert berechnet.
- Der Mittelwert wird alle 200 ms berechnet.
- Die möglichen Mittelungszeiten können Sie der Tabelle entnehmen.

n	Mittelungszeit / Sekunden
0	5
1	10
2	30
3	60
4	300
5	480
6	900

Maximalwert des Messwertes

- Der ***Maximalwert des Messwertes*** ist der größte Messwert der seit der letzten Löschung aufgetreten ist.

Minimalwert des Messwertes

- Der ***Minimalwert des Messwertes*** ist der kleinste Messwert der seit der letzten Löschung aufgetreten ist.

Maximalwert des Mittelwertes

- Ein ***Maximalwert des Mittelswertes*** ist der größte Mittelwert der seit der letzten Löschung aufgetreten ist.

Nominal-Strom, -Spannung, -Frequenz

- Die Grenzwerte für Ereignisse und Transienten werden in Prozent vom Nominalwert eingestellt.

Nennstrom I_{rated}

- Der I_{rated} ist der Nennstrom des Transformators und wird für die Berechnung des K-Faktors benötigt.

Peakwert negativ

- Höchster negativer Abtastwert aus dem letzten 200 ms Messfenster.

Peakwert positiv

- Höchster positiver Abtastwert aus dem letzten 200 ms Messfenster.

Crest-Faktor

- Der Crest-Faktor beschreibt das Verhältnis zwischen Spitzenwert und Effektivwert einer Wechselgröße. Er dient als Kennwert zur groben Beschreibung der Kurvenform einer Wechselgröße. Eine weitere Größe zur Charakterisierung der Abweichung von der reinen Sinusform ist zum Beispiel der Klirrfaktor.
- *Beispiel:*
  Eine sinusförmige Wechselspannung mit einem Effektivwert von 230 V hat einen Spitzenwert von ca. 325 V.
  Der Crest-Faktor beträgt dann 325 V / 230 V =1,414 .

Effektivwert des Stroms für Außenleiter p

$$I_p = \sqrt{\frac{1}{N} \cdot \sum_{k=0}^{N-1} i_{p_k}{}^2}$$

Effektivwert des Neutralleiterstroms

$$I_N = \sqrt{\frac{1}{N} \cdot \sum_{k=0}^{N-1} (i_{1_k} + i_{2_k} + i_{3_k})^2}$$

Effektivspannung L-N

$$U_{pN} = \sqrt{\frac{1}{N} \cdot \sum_{k=0}^{N-1} u_{pN_k}{}^2}$$

Effektivspannung L-L

$$U_{pg} = \sqrt{\frac{1}{N} \cdot \sum_{k=0}^{N-1} (u_{gN_k} - u_{pN_k})^2}$$

Sternpunktspannung (vektoriell)

$$U_{Sternpunktspannung} = U_{1_{rms}} + U_{2_{rms}} + U_{3_{rms}}$$

Wirkleistung für Außenleiter

$$P_p = \frac{1}{N} \cdot \sum_{k=0}^{N-1} (u_{pN_k} \times i_{p_k})$$

Scheinleistung für Außenleiter p

- Die Scheinleistung ist vorzeichenlos.

$$S_p = U_{pN} \cdot I_p$$

Gesamt-Scheinleistung (arithmetisch)

- Die Scheinleistung ist vorzeichenlos.

$$S_A = S_1 + S_2 + S_3$$

Peak demand P_{max}

- T = Periodendauer
- tn = n-te Intervallzeit
- Pn = n-te Leistungsmesswert
- N = Anzahl der Messintervalle in der Periodendauer T

$$P_{max} = \max\left(P_{max}; \frac{1}{T} \sum_{n=1}^{N} (t_n \cdot P_n)\right)$$

Ordnungsnummern der Oberschwingungen

xxx[0] = Grundschwingung (50 Hz/60 Hz)
xxx[1] = 1.te Oberschwingung (100 Hz/120 Hz)
xxx[2] = 2.te Obeschwingung (150 Hz/180 Hz)
usw.

THD

- THD (Total Harmonic Distortion) ist der Verzerrungsfaktor und gibt das Verhältnis der harmonischen Anteile einer Schwingung zur Grundschwingung an.

Verzerrungsfaktor THD (U) für die Spannung

- M = 40 (UMG 604, UMG 508, UMG 96RM)
- M = 50 (UMG 605, UMG 511)
- fund entspricht n=1

$$THD_U = \frac{1}{|U_{fund}|}\sqrt{\sum_{n=2}^{M}|U_{n.Harm}|^2}$$

Verzerrungsfaktor THD (I) für den Strom

- M = 40 (UMG 604, UMG 508, UMG 96RM)
- M = 50 (UMG 605, UMG 511)
- fund entspricht n=1

$$THD_I = \frac{1}{|I_{fund}|}\sqrt{\sum_{n=2}^{M}|I_{n.Harm}|^2}$$

ZHD

- THD für die Zwischenharmonischen.
- Wird in den Geräteserien UMG 511 und UMG 605 berechnet.

Zwischenharmonische

- Sinusförmige Schwingungen, deren Frequenzen kein ganzzahliges Vielfaches der Netzfrequenz (Grundschwingung) sind.
- Wird in den Geräteserien UMG 511 und UMG 605 berechnet.
- Berechnungs- und Messverfahren entsprechen der DIN EN 61000-4-30.
- Die Ordnungsnummer einer Zwischenharmonischen entspricht der Ordnungsnummer der nächst kleineren Oberschwingung. Es liegt also zum Beispiel zwischen der 3-ten und 4-ten Oberschwingung die 3-te Zwischenharmonische.

TDD (I)

- TDD (Total Demand Distortion) gibt das Verhältnis zwischen den Stromoberschwingungen (THDi) und den Stromeffektivwert bei Volllast an.
- IL = Voll-Laststrom
- M = 40 (UMG 604, UMG 508, UMG 96RM)
- M = 50 (UMG 605, UMG 511)

$$TDD = \frac{1}{I_L}\sqrt{\sum_{n=2}^{M} I_n^2} \times 100\%$$

Rundsteuersignal U (IEC61000-4-30)

Das Rundsteuersignal U, ist eine Spannung (200 ms Messwert), die zu einer vom Nutzer festgelegten Trägerfrequenz gemessen wurde. Es werden nur Frequenzen unterhalb 3 kHz betrachtet.

Rundsteuersignal I

Das Rundsteuersignal I, ist ein Strom (200 ms Messwert), die zu einer vom Nutzer festgelegten Trägerfrequenz gemessen wurde. Es werden nur Frequenzen unterhalb 3 kHz betrachtet.

Mitsystem-Gegensystem-Nullsystem

- Das Ausmaß einer Spannungs- oder Strom-Unsymmetrie in einem dreiphasigen System wird mittels der Komponenten Mitsystem, Gegensystem und Nullsystem gekennzeichnet.
- Die im Normalbetrieb angestrebte Symmetrie des Drehstromsystems wird durch unsymmetrische Lasten, Fehler und Betriebsmittel gestört.
- Ein dreiphasiges System wird symmetrisch genannt, wenn die drei Außenleiterspannungen und -ströme gleich groß und gegeneinander um 120° phasenverschoben sind. Wenn eine oder beide Bedingungen nicht erfüllt sind, wird das System als unsymmetrisch bezeichnet. Durch die Berechnung der symmetrischen Komponenten bestehend aus Mitsystem, Gegensystem und Nullsystem ist eine vereinfachte Analyse eines unbalancierten Fehlers in einem Drehstromsystem möglich.
- Unsymmetrie ist ein Merkmal der Netzqualität für die in internationalen Normen (zum beispiel EN 50160) Grenzwerte festgelegt wurden.

Mitsystem

$$U_{Mit} = \frac{1}{3}\left|U_{L1,fund} + U_{L2,fund} \cdot e^{j\frac{2\pi}{3}} + U_{L3,fund} \cdot e^{j\frac{4\pi}{3}}\right|$$

Gegensystem

$$U_{Geg} = \frac{1}{3}\left|U_{L1,fund} + U_{L2,fund} \cdot e^{-j\frac{2\pi}{3}} + U_{L3,fund} \cdot e^{-j\frac{4\pi}{3}}\right|$$

Nullsystem

$$U_{Nullsystem} = \frac{1}{3}\left|U_{L1,fund} + U_{L2,fund} + U_{L3,fund}\right|$$

Eine Nullkomponente kann nur dann auftreten, wenn über den Mittelpunktsleiter eine Summenstrom zurückfließen kann.

Spannungsunsymmetrie

$$Unsymmetrie = \frac{U_{Geg}}{U_{Mit}}$$

Unterabweichung U (IEC 61000-4-30)

$$U_{unter} = \frac{U_{din} - \sqrt{\frac{\sum_{i=1}^{n} U_{rms-unter,i}^2}{n}}}{U_{din}}\left[\%\right]$$

Unterabweichung I

$$I_{unter} = \frac{I_{Nennstrom} - \sqrt{\frac{\sum_{i=1}^{n} I_{rms-unter,i}^2}{n}}}{I_{Nennstrom}}\left[\%\right]$$

K-Faktor

- Der K-Faktor beschreibt den Anstieg der Wirbelstromverluste bei Belastung mit Oberschwingungen. Bei einer sinusförmigen Belastung des Transformators ist der K-Faktor =1. Je größer der K-Faktor ist, desto stärker kann ein Transformator mit Oberschwingungen belastet werden ohne zu überhitzen.

Leistungsfaktor - Power Factor (arithmetisch)

- Der Leistungsfaktor ist vorzeichenlos.

$$PF_x = \frac{|P_x|}{S_x}$$

x = L1, L2, L3, L4

Cos(φ) - Fundamental Power Factor

- Für die Berechnung des cos(φ) wird nur der Grundschwingungsanteil verwendet.
- Vorzeichen Cos(φ):
  - = für Lieferung von Wirkleistung
  + = für Bezug von Wirkleistung

$$PF_1 = \cos(\varphi) = \frac{P_1}{S_1}$$

Cos(φ) Summe

- Vorzeichen Cos(φ):
  - = für Lieferung von Wirkleistung
  + = für Bezug von Wirkleistung

$$\cos(\varphi)_{Sum_3} = \frac{P_{1_{fund}} + P_{2_{fund}} + P_{3_{fund}}}{\sqrt{(P_{1_{fund}} + P_{2_{fund}} + P_{3_{fund}})^2 + (Q_{1_{fund}} + Q_{2_{fund}} + Q_{3_{fund}})^2}}$$

$$\cos(\varphi)_{Sum_4} = \frac{P_{1_{fund}} + P_{2_{fund}} + P_{3_{fund}} + P_{4_{fund}}}{\sqrt{(P_{1_{fund}} + P_{2_{fund}} + P_{3_{fund}} + P_{4_{fund}})^2 + (Q_{1_{fund}} + Q_{2_{fund}} + Q_{3_{fund}} + Q_{4_{fund}})^2}}$$

Phasenwinkel φ

- Der Phasenwinkel zwischen Strom und Spannung von Außenleiter p wird gemäß DIN EN 61557-12 berechnet und dargestellt.
- Das Vorzeichen des Phasenwinkels entspricht dem Vorzeichen der Blindleistung.

Grundschwingungs-Blindleistung

Die Grundschwingungs-Blindleistung ist die Blindleistung der Grundschwingung und wird über die Fourieranalyse (FFT) berechnet. Spannung und Strom müssen nicht sinusförmig sein. Alle im Gerät berechneten Blindleistungen sind Grundschwingungs-Blindleistungen.

Vorzeichen der Blindleistung

- Vorzeichen Q = +1 für φ im Bereich 0° .. 180° (induktiv)
- Vorzeichen Q = -1 für φ im Bereich 180° .. 360° (kapazitiv)

$$Vorzeichen\,Q(\varphi_p) = +1\ falls\ \varphi_p \in [0° - 180°]$$

$$Vorzeichen\,Q(\varphi_p) = -1\ falls\ \varphi_p \in [180° - 360°]$$

Blindleistung für Außenleiter p

- Blindleistung der Grundschwingung.

$$Q_{fund\,p} = Vorzeichen\,Q(\varphi_p) \cdot \sqrt{S_{fund\,p}^{\ 2} - P_{fund\,p}^{\ 2}}$$

Gesamt-Blindleistung

- Blindleistungen der Grundschwingung.

$$Q_V = Q_1 + Q_2 + Q_3$$

Verzerrungs-Blindleistung

- Die Verzerrungs-Blindleistung ist die Blindleistung aller Oberschwingungen und wird über die Fourieranalyse (FFT) berechnet.

$$D = \sqrt{S^2 - P^2 - Q_{fund}^2}$$

- Die Scheinleistung S enthält die Grundschwingung und alle Oberschwingungsanteile bis zur M-ten Oberschwingung.
- Die Wirkleistung P enthält die Grundschwingung und alle Oberschwingungsanteile bis zur M-ten Oberschwingung.
- M = 65 (UMG 96-PA, UMG 96-PQ-L)
  M = 63 (UMG 605, UMG 605-PRO, UMG 511, UMG 512-PRO)

Blindarbeit pro Phase

$$E_{r_{L1}} = \int Q_{L1}(t) \cdot \Delta t$$

Blindarbeit pro Phase, induktiv

$$E_{r(ind)_{L1}} = \int Q_{L1}(t) \cdot \Delta t \qquad \text{für } Q_{L1}(t) > 0$$

Blindarbeit pro Phase, kapazitiv

$$E_{r(cap)_{L1}} = \int Q_{L1}(t) \cdot \Delta t \qquad \text{für } Q_{L1}(t) < 0$$

Blindarbeit, Summe L1-L3

$$E_{r_{L1,L2,L3}} = \int (Q_{L1}(t) + Q_{L2}(t) + Q_{L3}(t)) \cdot \Delta t$$

Blindarbeit, Summe L1-L3, induktiv

$$E_{r(ind)_{L1,L2,L3}} = \int (Q_{L1}(t) + Q_{L2}(t) + Q_{L3}(t)) \cdot \Delta t$$

für $(Q_{L1}(t) + Q_{L2}(t) + Q_{L3}(t)) > 0$

Blindarbeit, Summe L1-L3, kapazitiv

$$E_{r(cap)_{L1,L2,L3}} = \int (Q_{L1}(t) + Q_{L2}(t) + Q_{L3}(t)) \cdot \Delta t$$

für $(Q_{L1}(t) + Q_{L2}(t) + Q_{L3}(t)) < 0$

Modbus-Funktionen

Das Messgerät unterstützt als Slave folgende Modbus-Funktionen:

02 Read Input Status

Dieser Funktionscode wird verwendet, um den zusammenhängenden Status von 1 bis 2000 diskreten Eingängen in einem entfernten Gerät auszulesen. Die Anforderungs-PDU gibt die Startadresse, d. h. die Adresse des ersten angegebenen Eingangs, und die Anzahl der Eingänge an. In der PDU werden die diskreten Eingänge beginnend bei Null adressiert. Daher werden die diskreten Eingänge mit den Nummern 1-16 als 0-15 adressiert.
Die diskreten Eingänge in der Antwortnachricht werden als ein Eingang pro Bit des Datenfeldes gepackt.

03 Read Holding Registers

Liest den Binärinhalt von „Holding-Registern“ (4X-Referenzen) im Slave-Gerät aus.

04 Read Input Registers

Liest den Binärinhalt von Eingangsregistern (3X Referenzen) im Slave-Gerät aus.

06 Preset Single Register

Setzt einen Wert in ein einzelnes „Holding-Register“ (4X-Referenz). Beim Broadcast setzt die Funktion bei allen angeschlossenen Slaves die gleichen Register-Referenzen.

08 Diagnostic function

Der MODBUS-Funktionscode 08 bietet eine Reihe von Tests zur Überprüfung des Kommunikationssystems zwischen einem Client-Gerät (Master) und einem Server (Slave) oder zur Überprüfung verschiedener interner Fehlerbedingungen innerhalb eines Servers.
Die Funktion verwendet ein Zwei-Byte-Unterfunktionscode-Feld in der Abfrage, um die Art des durchzuführenden Tests zu definieren.

Die folgenden Diagnosefunktionen sind für Geräte mit serieller Schnittstelle bestimmt. Die normale Antwort auf die Abfrage Return Query Data ist ein Loopback der gleichen Daten. Der Funktionscode und die Unterfunktionscodes werden ebenfalls zurückgesendet.

Sub-function code		Name
Hex	Dec	
00	00	Return Query Data
01	01	Restart Communications Option
0A	10	Clear Counters and Diagnostic Register
0B	11	Return Bus Message Count
0C	12	Return Bus Communication Error Count
0D	13	Return Bus Exception Error Count
0E	14	Return Slave Message Count
0F	15	Return Slave No Response Count
10	16	Return Slave NAK Count
11	17	Return Slave Busy Count

16 (10Hex) Preset Multiple Registers

Setzt Werte in einer Sequenz von „Holding-Registern“ (4X Referenzen). Beim Broadcast setzt die Funktion in allen angeschlossenen Slaves die gleichen Register-Referenzen.

23 (17Hex) Read/Write 4X Registers

Führt eine Kombination aus einem Lese- und einem Schreibvorgang in einer einzigen Modbus-Transaktion durch. Die Funktion kann neue Inhalte in eine Gruppe von 4XXXX Registern schreiben und dann den Inhalt einer anderen Gruppe von 4XXXX Registern zurückgeben. Broadcast wird nicht unterstützt.

Adressenliste UMG 96-PQ-L

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
Häufig benötigte Messwerte						
19000	float	RD	Voltage L1-N	V		
19002	float	RD	Voltage L2-N	V		
19004	float	RD	Voltage L3-N	V		
19006	float	RD	Voltage L1-L2	V		
19008	float	RD	Voltage L2-L3	V		
19010	float	RD	Voltage L3-L1	V		
19012	float	RD	Current, L1	A		
19014	float	RD	Current, L2	A		
19016	float	RD	Current, L3	A		
19018	float	RD	Vector sum, IN=I1+I2+I3	A		
19020	float	RD	Real power L1	W		
19022	float	RD	Real power L2	W		
19024	float	RD	Real power L3	W		
19026	float	RD	Sum, Psum3=P1+P2+P3	W		
19028	float	RD	Apparent power L1	VA		
19030	float	RD	Apparent power L2	VA		
19032	float	RD	Apparent power L3	VA		
19034	float	RD	Sum, Ssum3=S1+S2+S3	VA		
19036	float	RD	Reactive power (mains frequ.) L1	var		
19038	float	RD	Reactive power (mains frequ.) L2	var		
19040	float	RD	Reactive power (mains frequ.) L3	var		
19042	float	RD	Sum, Qsum3=Q1+Q2+Q3	var		
19044	float	RD	Power factor fundamental oscill., Cos(φ), UL1 IL1			
19046	float	RD	Power factor fundamental oscill., Cos(φ),, UL2 IL2			
19048	float	RD	Power factor fundamental oscill., Cos(φ),, UL3 IL3			
19050	float	RD	Measured frequency	Hz		
19052	float	RD	Rotation field, 1=right, 0=none, -1=left			
19054	float	RD	Real energy L1, consumed	Wh		
19056	float	RD	Real energy L2, consumed	Wh		
19058	float	RD	Real energy L3, consumed	Wh		
19060	float	RD	Real energy L1..L3	Wh		
19062	float	RD	Real energy L1, consumed	Wh		
19064	float	RD	Real energy L2, consumed	Wh		
19066	float	RD	Real energy L3, consumed	Wh		
19068	float	RD	Real energy L1..L3, consumed, rate 1	Wh		
19070	float	RD	Real energy L1, delivered	Wh		
19072	float	RD	Real energy L2, delivered	Wh		
19074	float	RD	Real energy L3, delivered	Wh		
19076	float	RD	Real energy L1..L3, delivered	Wh		
19078	float	RD	Apparent energy L1	VAh		
19080	float	RD	Apparent energy L2	VAh		
19082	float	RD	Apparent energy L3	VAh		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
19084	float	RD	Apparent energy L1..L3	VAh		
19086	float	RD	Reactive energy, inductive, L1	varh		
19088	float	RD	Reactive energy, inductive, L2	varh		
19090	float	RD	Reactive energy, inductive, L3	varh		
19092	float	RD	Reactive energy L1..L3	varh		
19094	float	RD	Reactive energy, inductive, L1	varh		
19096	float	RD	Reactive energy, inductive, L2	varh		
19098	float	RD	Reactive energy, inductive, L3	varh		
19100	float	RD	Reactive energy L1..L3, ind.	varh		
19102	float	RD	Reactive energy, capacitive, L1	varh		
19104	float	RD	Reactive energy, capacitive, L2	varh		
19106	float	RD	Reactive energy, capacitive, L3	varh		
19108	float	RD	Reactive energy L1..L3, cap.	varh		
19110	float	RD	Harmonic, THD,U L1-N	%		
19112	float	RD	Harmonic, THD,U L2-N	%		
19114	float	RD	Harmonic, THD,U L3-N	%		
19116	float	RD	Harmonic, THD,I L1	%		
19118	float	RD	Harmonic, THD,I L2	%		
19120	float	RD	Harmonic, THD,I L3	%		

Messwerte

991	float	RD	Measured value (float): current max value for current RMS of all 3 phases	A
993	ushort	RD	Measured value (float): the corresponding phase number (1...3)	
1000	float	RD	Measured value (float): voltage L1-N	V
1002	float	RD	Measured value (float): voltage L2-N	V
1004	float	RD	Measured value (float): voltage L3-N	V
1006	float	RD	Measured value (float): voltage L1-L2	V
1008	float	RD	Measured value (float): voltage L2-L3	V
1010	float	RD	Measured value (float): voltage L3-L1	V
1012	float	RD	Measured value (float): current L1	A
1014	float	RD	Measured value (float): current L2	A
1016	float	RD	Measured value (float): current L3	A
1018	float	RD	Measured value (float): current sum (calculated current in N)	A
1020	float	RD	Measured value (float): active power L1	W
1022	float	RD	Measured value (float): active power L2	W
1024	float	RD	Measured value (float): active power L3	W
1026	float	RD	Measured value (float): active power sum	W
1028	float	RD	Measured value (float): reactive power L1	var
1030	float	RD	Measured value (float): reactive power L2	var
1032	float	RD	Measured value (float): reactive power L3	var
1034	float	RD	Measured value (float): reactive power sum	var
1036	float	RD	Measured value (float): apparent power L1	VA
1038	float	RD	Measured value (float): apparent power L2	VA
1040	float	RD	Measured value (float): apparent power L3	VA

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
1042	float	RD	Measured value (float): apparent power sum	VA		
1044	float	RD	Measured value (float): cos(φ) L1			
1046	float	RD	Measured value (float): cos(φ) L2			
1048	float	RD	Measured value (float): cos(φ) L3			
1050	float	RD	Measured value (float): cos(φ) sum			
1052	float	RD	Measured value (float): active power of the fundamental oscillation L1	W		
1054	float	RD	Measured value (float): active power of the fundamental oscillation L2	W		
1056	float	RD	Measured value (float): active power of the fundamental oscillation L3	W		
1214	float	RD	Measured value (float): THD voltage L1 [%]	%		
1216	float	RD	Measured value (float): THD voltage L2 [%]	%		
1218	float	RD	Measured value (float): THD voltage L3 [%]	%		
1220	float	RD	Measured value (float): THD current L1 [%]	%		
1222	float	RD	Measured value (float): THD current L1 [%]	%		
1224	float	RD	Measured value (float): THD current L1 [%]	%		
1226	float	RD	Measured value (float): frequency	Hz		
1228	float	RD	Measured value (float): zero sequence voltage			
1230	float	RD	Measured value (float): positive sequence voltage			
1232	float	RD	Measured value (float): negative sequence voltage			
1234	float	RD	Measured value (float): zero sequence current			
1236	float	RD	Measured value (float): positive sequence current			
1238	float	RD	Measured value (float): negative sequence current			
1240	float	RD	Measured value (float): distortion power L1	var		
1242	float	RD	Measured value (float): distortion power L2	var		
1244	float	RD	Measured value (float): distortion power L3	var		
1246	float	RD	Measured value (float): distortion power sum	var		
1248	float	RD	Measured value (float): Rotation field, 1=right, 0=none, -1=left			
1250	float	RD	Measured value (float): real part of the fundamental oscillation voltage L1	V		
1252	float	RD	Measured value (float): imaginary part of the fundamental oscillation voltage L1	V		
1254	float	RD	Measured value (float): real part of the fundamental oscillation voltage L2	V		
1256	float	RD	Measured value (float): imaginary part of the fundamental oscillation voltage L2	V		
1258	float	RD	Measured value (float): real part of the fundamental oscillation voltage L3	V		
1260	float	RD	Measured value (float): imaginary part of the fundamental oscillation voltage L3	V		
1262	float	RD	Measured value (float): real part of the fundamental oscillation current L1	A		
1264	float	RD	Measured value (float): imaginary part of the fundamental oscillation current L1	A		
1266	float	RD	Measured value (float): real part of the fundamental oscillation current L2	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
1268	float	RD	Measured value (float): imaginary part of the fundamental oscillation current L2	A		
1270	float	RD	Measured value (float): real part of the fundamental oscillation current L3	A		
1272	float	RD	Measured value (float): imaginary part of the fundamental oscillation current L3	A		
1274	float	RD	Measured value (float): frequency (200ms)	Hz		
1276	float	RD	Measured value (float): TDD (total demand distortion) current L1	%		
1278	float	RD	Measured value (float): TDD (total demand distortion) current L2	%		
1280	float	RD	Measured value (float): TDD (total demand distortion) current L3	%		
1282	float	RD	Measured value (float): crest factor voltageL1			
1284	float	RD	Measured value (float): crest factor voltageL2			
1286	float	RD	Measured value (float): crest factor voltageL3			
1288	float	RD	Measured value (float): crest factor current L1			
1290	float	RD	Measured value (float): crest factor current L2			
1292	float	RD	Measured value (float): crest factor current L3			
1294	float	RD	Measured value (float): power factor L1			
1296	float	RD	Measured value (float): power factor L2			
1298	float	RD	Measured value (float): power factor L3			
1300	float	RD	Measured value (float): power factor sum3=Psum3/Ssum3			
1329	float	RD	Measured value (float): voltage asymmetry [%]	%		
1331	float	RD	Measured value (float): current asymmetry [%]	%		
1400	float	RD	Angular shift of the current I1 in the unit circle, relative to normal zero	deg		
1402	float	RD	Angular shift of the current I2 in the unit circle, relative to normal zero	deg		
1404	float	RD	Angular shift of the current I3 in the unit circle, relative to normal zero	deg		
11000	short (x10)	RD	Measured value (short): voltage L1-N	V		
11001	short (x10)	RD	Measured value (short): voltage L2-N	V		
11002	short (x10)	RD	Measured value (short): voltage L3-N	V		
11003	short (x10)	RD	Measured value (short): voltage L1-L2	V		
11004	short (x10)	RD	Measured value (short): voltage L2-L3	V		
11005	short (x10)	RD	Measured value (short): voltage L3-L1	V		
11006	short (x1000)	RD	Measured value (short): current L1	A		
11007	short (x1000)	RD	Measured value (short): current L2	A		
11008	short (x1000)	RD	Measured value (short): current L3	A		
11009	short (x1000)	RD	Measured value (short): current sum	A		
11010	short (x10)	RD	Measured value (short): active power L1	W		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
11011	short (x10)	RD	Measured value (short): active power L2	W		
11012	short (x10)	RD	Measured value (short): active power L3	W		
11013	short	RD	Measured value (short): active power sum	W		
11014	short (x10)	RD	Measured value (short): reactive power L1	var		
11015	short (x10)	RD	Measured value (short): reactive power L2	var		
11016	short (x10)	RD	Measured value (short): reactive power L3	var		
11017	short	RD	Measured value (short): reactive power sum	var		
11018	short (x10)	RD	Measured value (short): apparent power L1	VA		
11019	short (x10)	RD	Measured value (short): apparent power L2	VA		
11020	short (x10)	RD	Measured value (short): apparent power L3	VA		
11021	short	RD	Measured value (short): apparent power sum	VA		
11022	short (x100)	RD	Measured value (short): cos(φ) L1			
11023	short (x100)	RD	Measured value (short): cos(φ) L2			
11024	short (x100)	RD	Measured value (short): cos(φ) L3			
11025	short (x100)	RD	Measured value (short): cos(φ) sum			
11026	short (x10)	RD	Measured value (short): active power fundamental oscillation L1	W		
11027	short (x10)	RD	Measured value (short): active power fundamental oscillation L2	W		
11028	short (x10)	RD	Measured value (short): active power fundamental oscillation L3	W		
11111	short (x100)	RD	Measured value (short): THD voltage L1-N [%]	%		
11112	short (x100)	RD	Measured value (short): THD voltage L2-N [%]	%		
11113	short (x100)	RD	Measured value (short): THD voltage L3-N [%]	%		
11114	short (x100)	RD	Measured value (short): THD current L1 [%]	%		
11115	short (x100)	RD	Measured value (short): THD current L2 [%]	%		
11116	short (x100)	RD	Measured value (short): THD current L3 [%]	%		
11117	short (x10)	RD	Measured value (short): frequency	Hz		
11118	short (x10)	RD	Measured value (short): zero sequence voltage			
11119	short (x10)	RD	Measured value (short): positive sequence voltage			
11120	short (x10)	RD	Measured value (short): negative sequence voltage			
11121	short (x1000)	RD	Measured value (short): zero sequence current			

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
11122	short (x1000)	RD	Measured value (short): positive sequence current			
11123	short (x1000)	RD	Measured value (short): negative sequence current			
11124	short (x10)	RD	Measured value (short): distortion power L1	var		
11125	short (x10)	RD	Measured value (short): distortion power L2	var		
11126	short (x10)	RD	Measured value (short): distortion power L3	var		
11127	short	RD	Measured value (short): distortion power sum	var		
11128	short (x10)	RD	Measured value (short): Rotation field: > 0 = right, 0 = none, < 0 = left			
11168	ushort (x1000)	RD	Measured value (short): crest factor voltage L1-N			
11169	ushort (x1000)	RD	Measured value (short): crest factor voltage L2-N			
11170	ushort (x1000)	RD	Measured value (short): crest factor voltage L3-N			
11171	ushort (x1000)	RD	Measured value (short): crest factor current L1			
11172	ushort (x1000)	RD	Measured value (short): crest factor current L2			
11173	ushort (x1000)	RD	Measured value (short): crest factor current L3			

Maximalwerte

3000	float	RD	Maximum value (float): voltage L1-N	V
3002	float	RD	Maximum value (float): voltage L2-N	V
3004	float	RD	Maximum value (float): voltage L3-N	V
3006	float	RD	Maximum value (float): voltage L1-L2	V
3008	float	RD	Maximum value (float): voltage L2-L3	V
3010	float	RD	Maximum value (float): voltage L3-L1	V
3012	float	RD	Maximum value (float): current L1	A
3014	float	RD	Maximum value (float): current L2	A
3016	float	RD	Maximum value (float): current L3	A
3018	float	RD	Maximum value (float): current sum	A
3020	float	RD	Maximum value (float): active power L1	W
3022	float	RD	Maximum value (float): active power L2	W
3024	float	RD	Maximum value (float): active power L3	W
3026	float	RD	Maximum value (float): active power sum	W
3028	float	RD	Maximum value (float): reactive power L1	var
3030	float	RD	Maximum value (float): reactive power L2	var
3032	float	RD	Maximum value (float): reactive power L3	var
3034	float	RD	Maximum value (float): reactive power sum	var
3036	float	RD	Maximum value (float): apparent power L1	VA
3038	float	RD	Maximum value (float): apparent power L2	VA
3040	float	RD	Maximum value (float): apparent power L3	VA
3042	float	RD	Maximum value (float): apparent power sum	VA

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
3044	float	RD	Maximum value (float): cos(φ) L1			
3046	float	RD	Maximum value (float): cos(φ) L2			
3048	float	RD	Maximum value (float): cos(φ) L3			
3050	float	RD	Maximum value (float): cos(φ) sum			
3052	float	RD	Maximum value (float): active power, fundamental oscillation L1	V		
3054	float	RD	Maximum value (float): active power, fundamental oscillation L2	V		
3056	float	RD	Maximum value (float): active power, fundamental oscillation L3	V		
3214	float	RD	Maximum value (float): THD voltage L1	%		
3216	float	RD	Maximum value (float): THD voltage L2	%		
3218	float	RD	Maximum value (float): THD voltage L3	%		
3220	float	RD	Maximum value (float): THD current L1	%		
3222	float	RD	Maximum value (float): THD current L2	%		
3224	float	RD	Maximum value (float): THD current L3	%		
3226	float	RD	Maximum value (float): frequency	Hz		
3228	float	RD	Maximum value (float): voltage zero sequence			
3230	float	RD	Maximum value (float): voltage positive sequence			
3232	float	RD	Maximum value (float): voltage negative sequence			
3234	float	RD	Maximum value (float): current zero sequence			
3236	float	RD	Maximum value (float): current positive sequence			
3238	float	RD	Maximum value (float): current negative sequence			
3240	float	RD	Maximum value (float): distortion power L1	var		
3242	float	RD	Maximum value (float): distortion power L2	var		
3244	float	RD	Maximum value (float): distortion power L3	var		
3246	float	RD	Maximum value (float): distortion power sum	var		
3264	float	RD	Maximum value (float): TDD current L1 [%]	%		
3266	float	RD	Maximum value (float): TDD current L2 [%]	%		
3268	float	RD	Maximum value (float): TDD current L3 [%]	%		
3270	float	RD	Maximum value (float): max. value power factor L1			
3272	float	RD	Maximum value (float): max. value power factor L2			
3274	float	RD	Maximum value (float): max. value power factor L3			
3276	float	RD	Maximum value (float): max. value power factor sum3=Psum3/Ssum3			
3278	float	RD	Maximum value (float): voltage asymmetry [%] (max)	%		
3280	float	RD	Maximum value (float): current asymmetry [%] (max)	%		
13000	short (x10)	RD	Maximum value (short): voltage L1-N	V		
13001	short (x10)	RD	Maximum value (short): voltage L2-N	V		
13002	short (x10)	RD	Maximum value (short): voltage L3-N	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
13003	short (x10)	RD	Maximum value (short): voltage L1-L2	V		
13004	short (x10)	RD	Maximum value (short): voltage L2-L3	V		
13005	short (x10)	RD	Maximum value (short): voltage L3-L1	V		
13006	short (x1000)	RD	Maximum value (short): current L1	A		
13007	short (x1000)	RD	Maximum value (short): current L2	A		
13008	short (x1000)	RD	Maximum value (short): current L3	A		
13009	short (x1000)	RD	Maximum value (short): current sum	A		
13010	short (x10)	RD	Maximum value (short): active power L1	W		
13011	short (x10)	RD	Maximum value (short): active power L2	W		
13012	short (x10)	RD	Maximum value (short): active power L3	W		
13013	short	RD	Maximum value (short): active power sum	W		
13014	short (x10)	RD	Maximum value (short): reactive power L1	var		
13015	short (x10)	RD	Maximum value (short): reactive power L2	var		
13016	short (x10)	RD	Maximum value (short): reactive power L3	var		
13017	short	RD	Maximum value (short): reactive power sum	var		
13018	short (x10)	RD	Maximum value (short): apparent power L1	VA		
13019	short (x10)	RD	Maximum value (short): apparent power L2	VA		
13020	short (x10)	RD	Maximum value (short): apparent power L3	VA		
13021	short	RD	Maximum value (short): apparent power sum	VA		
13022	short (x1000)	RD	Maximum value (short): cos(φ) L1			
13023	short (x1000)	RD	Maximum value (short): cos(φ) L2			
13024	short (x1000)	RD	Maximum value (short): cos(φ) L3			
13025	short (x1000)	RD	Maximum value (short): cos(φ) sum			
13026	short (x10)	RD	Maximum value (short): active power of fundamental oscillation L1	W		
13027	short (x10)	RD	Maximum value (short): active power of fundamental oscillation L2	W		
13028	short (x10)	RD	Maximum value (short): active power of fundamental oscillation L3	W		
13107	short (x100)	RD	Maximum value (short): THD voltage L1	%		
13108	short (x100)	RD	Maximum value (short): THD voltage L2	%		
13109	short (x100)	RD	Maximum value (short): THD voltage L3	%		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
13110	short (x100)	RD	Maximum value (short): THD current L1	%		
13111	short (x100)	RD	Maximum value (short): THD current L2	%		
13112	short (x100)	RD	Maximum value (short): THD current L3	%		
13113	short (x100)	RD	Maximum value (short): frequency			
13114	short (x10)	RD	Maximum value (short): voltage zero sequence			
13115	short (x10)	RD	Maximum value (short): voltage positive sequence			
13116	short (x10)	RD	Maximum value (short): voltage negative sequence			
13117	short (x1000)	RD	Maximum value (short): current zero sequence			
13118	short (x1000)	RD	Maximum value (short): current positive sequence			
13119	short (x1000)	RD	Maximum value (short): current negative sequence			
13120	short (x10)	RD	Maximum value (short): distortion power L1	var		
13121	short (x10)	RD	Maximum value (short): distortion power L2	var		
13122	short (x10)	RD	Maximum value (short): distortion power L3	var		
13123	short (x10)	RD	Maximum value (short): distortion power sum	var		

Maximalwerte, Zeitstempel

3300	uint	RD	UTC timestamp of max. value: voltage L1-N	s
3302	uint	RD	UTC timestamp of max. value: voltage L2-N	s
3304	uint	RD	UTC timestamp of max. value: voltage L3-N	s
3306	uint	RD	UTC timestamp of max. value: voltage L1-L2	s
3308	uint	RD	UTC timestamp of max. value: voltage L2-L3	s
3310	uint	RD	UTC timestamp of max. value: voltage L3-L1	s
3312	uint	RD	UTC timestamp of max. value: current L1	s
3314	uint	RD	UTC timestamp of max. value: current L2	s
3316	uint	RD	UTC timestamp of max. value: current L3	s
3318	uint	RD	UTC timestamp of max. value: current sum	s
3320	uint	RD	UTC timestamp of max. value: active power L1	s
3322	uint	RD	UTC timestamp of max. value: active power L2	s
3324	uint	RD	UTC timestamp of max. value: active power L3	s
3326	uint	RD	UTC timestamp of max. value: active power sum	s
3328	uint	RD	UTC timestamp of max. value: reactive power L1	s
3330	uint	RD	UTC timestamp of max. value: reactive power L2	s
3332	uint	RD	UTC timestamp of max. value: reactive power L3	s

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
3334	uint	RD	UTC timestamp of max. value: reactive power sum	s		
3336	uint	RD	UTC timestamp of max. value: apparent power L1	s		
3338	uint	RD	UTC timestamp of max. value: apparent power L2	s		
3340	uint	RD	UTC timestamp of max. value: apparent power L3	s		
3342	uint	RD	UTC timestamp of max. value: apparent power sum	s		
3344	uint	RD	UTC timestamp of max. value: cos(φ) L1	s		
3346	uint	RD	UTC timestamp of max. value: cos(φ) L2	s		
3348	uint	RD	UTC timestamp of max. value: cos(φ) L3	s		
3350	uint	RD	UTC timestamp of max. value: cos(φ) sum	s		
3352	uint	RD	UTC timestamp of max. value: active power (fundamental oscillation) L1	s		
3354	uint	RD	UTC timestamp of max. value: active power (fundamental oscillation) L2	s		
3356	uint	RD	UTC timestamp of max. value: active power (fundamental oscillation) L3	s		
3514	uint	RD	UTC timestamp of max. value: THD voltage L1	s		
3516	uint	RD	UTC timestamp of max. value: THD voltage L2	s		
3518	uint	RD	UTC timestamp of max. value: THD voltage L3	s		
3520	uint	RD	UTC timestamp of max. value: THD current L1	s		
3522	uint	RD	UTC timestamp of max. value: THD current L2	s		
3524	uint	RD	UTC timestamp of max. value: THD current L3	s		
3526	uint	RD	UTC timestamp of max. value: frequency	s		
3528	uint	RD	UTC timestamp of max. value: voltage zero sequence	s		
3530	uint	RD	UTC timestamp of max. value: voltage positive sequence	s		
3532	uint	RD	UTC timestamp of max. value: voltage negative sequence	s		
3534	uint	RD	UTC timestamp of max. value: current zero sequence	s		
3536	uint	RD	UTC timestamp of max. value: current positive sequence	s		
3538	uint	RD	UTC timestamp of max. value: current negative sequence	s		
3540	uint	RD	UTC timestamp of max. value: distortion power L1	s		
3542	uint	RD	UTC timestamp of max. value: distortion power L2	s		
3544	uint	RD	UTC timestamp of max. value: distortion power L3	s		
3546	uint	RD	UTC timestamp of max. value: distortion power sum	s		
3548	uint	RD	UTC timestamp of max. value: mean value current L1	s		
3550	uint	RD	UTC timestamp of max. value: mean value current L2	s		
3552	uint	RD	UTC timestamp of max. value: mean value current L3	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
3554	uint	RD	UTC timestamp of max. value: mean value current sum	s		
3556	uint	RD	UTC timestamp of max. value: mean value active power L1	s		
3558	uint	RD	UTC timestamp of max. value: mean value active power L2	s		
3560	uint	RD	UTC timestamp of max. value: mean value active power L3	s		
3562	uint	RD	UTC timestamp of max. value: mean value active power sum	s		
3564	uint	RD	UTC timestamp of max. value: TDD current L1	s		
3566	uint	RD	UTC timestamp of max. value: TDD current L2	s		
3568	uint	RD	UTC timestamp of max. value: TDD current L3	s		
3570	uint	RD	UTC timestamp of max. value: power factor L1	s		
3572	uint	RD	UTC timestamp of max. value: power factor L2	s		
3574	uint	RD	UTC timestamp of max. value: power factor L3	s		
3576	uint	RD	UTC timestamp of max. value: power factor sum3=Psum3/Ssum3	s		
3578	uint	RD	UTC timestamp of max. value: Voltage asymmetry	s		
3580	uint	RD	UTC timestamp of max. value: Current asymmetry	s		

Minimalwerte

4000	float	RD	Minimum value (float): voltage L1-N	V		
4002	float	RD	Minimum value (float): voltage L2-N	V		
4004	float	RD	Minimum value (float): voltage L3-N	V		
4006	float	RD	Minimum value (float): voltage L1-L2	V		
4008	float	RD	Minimum value (float): voltage L1-L3	V		
4010	float	RD	Minimum value (float): voltage L3-L1	V		
4012	float	RD	Minimum value (float): cos(φ) L1			
4014	float	RD	Minimum value (float): cos(φ) L2			
4016	float	RD	Minimum value (float): cos(φ) L3			
4018	float	RD	Minimum value (float): cos(φ) sum			
4098	float	RD	Minimum value (float): THD voltage L1 [%]	%		
4100	float	RD	Minimum value (float): THD voltage L2 [%]	%		
4102	float	RD	Minimum value (float): THD voltage L3 [%]	%		
4104	float	RD	Minimum value (float): frequency	Hz		
4106	float	RD	Minimum value (float): voltage zero sequence			
4108	float	RD	Minimum value (float): voltage positive sequence			
4110	float	RD	Minimum value (float): voltage negative sequence			
4112	float	RD	Minimum value (float): active power L1	W		
4114	float	RD	Minimum value (float): active power L2	W		
4116	float	RD	Minimum value (float): active power L3	W		
4118	float	RD	Minimum value (float): active power sum	W		
4120	float	RD	Minimum value (float): power factor L1			
4122	float	RD	Minimum value (float): power factor L2			

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
4124	float	RD	Minimum value (float): power factor L3			
4126	float	RD	Minimum value (float): power factor sum3=P-sum3/Ssum3			
4128	float	RD	Minimum value (float): THD current L1 [%]	%		
4130	float	RD	Minimum value (float): THD current L2 [%]	%		
4132	float	RD	Minimum value (float): THD current L3 [%]	%		
4134	float	RD	Minimum value (float): current L1	A		
4136	float	RD	Minimum value (float): current L2	A		
4138	float	RD	Minimum value (float): current L3	A		
4140	float	RD	Minimum value (float): current sum	A		
4142	float	RD	Minimum value (float): reactive power L1	var		
4144	float	RD	Minimum value (float): reactive power L2	var		
4146	float	RD	Minimum value (float): reactive power L3	var		
4148	float	RD	Minimum value (float): reactive power sum	var		
4150	float	RD	Minimum value (float): apparent power L1	VA		
4152	float	RD	Minimum value (float): apparent power L2	VA		
4154	float	RD	Minimum value (float): apparent power L3	VA		
4156	float	RD	Minimum value (float): apparent power sum	VA		
4158	float	RD	Minimum value (float): voltage asymmetry [%] (min)	%		
4160	float	RD	Minimum value (float): current asymmetry [%] (min)	%		
14000	short (x10)	RD	Minimum value (short): voltage L1-N	V		
14001	short (x10)	RD	Minimum value (short): voltage L2-N	V		
14002	short (x10)	RD	Minimum value (short): voltage L3-N	V		
14003	short (x10)	RD	Minimum value (short): voltage L1-L2	V		
14004	short (x10)	RD	Minimum value (short): voltage L1-L3	V		
14005	short (x10)	RD	Minimum value (short): voltage L3-L1	V		
14006	short (x1000)	RD	Minimum value (short): cos(φ) L1			
14007	short (x1000)	RD	Minimum value (short): cos(φ) L1			
14008	short (x1000)	RD	Minimum value (short): cos(φ) L1			
14009	short (x1000)	RD	Minimum value (short): cos(φ) L1			
14049	short (x100)	RD	Minimum value (short): THD voltage L1 [%]	%		
14050	short (x100)	RD	Minimum value (short): THD voltage L2 [%]	%		
14051	short (x100)	RD	Minimum value (short): THD voltage L3 [%]	%		
14052	short (x100)	RD	Minimum value (short): frequency	Hz		
14053	short (x10)	RD	Minimum value (short): voltage zero sequence			

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
14054	short (x10)	RD	Minimum value (short): voltage positive sequence			
14055	short (x10)	RD	Minimum value (short): voltage negative sequence			
14056	short (x10)	RD	Minimum value (short): active power L1	W		
14057	short (x10)	RD	Minimum value (short): active power L2	W		
14058	short (x10)	RD	Minimum value (short): active power L3	W		
14059	short (x10)	RD	Minimum value (short): active power sum	W		

Minimalwerte, Zeitstempel

4200	uint	RD	UTC timestamp of min. value: voltage L1-N	s
4202	uint	RD	UTC timestamp of min. value: voltage L2-N	s
4204	uint	RD	UTC timestamp of min. value: voltage L3-N	s
4206	uint	RD	UTC timestamp of min. value: voltage L1-L2	s
4208	uint	RD	UTC timestamp of min. value: voltage L2-L3	s
4210	uint	RD	UTC timestamp of min. value: voltage L3-L1	s
4212	uint	RD	UTC timestamp of min. value: cos(φ) L1	s
4214	uint	RD	UTC timestamp of min. value: cos(φ) L2	s
4216	uint	RD	UTC timestamp of min. value: cos(φ) L3	s
4218	uint	RD	UTC timestamp of min. value: cos(φ) sum	s
4298	uint	RD	UTC timestamp of min. value: THD voltage L1	s
4300	uint	RD	UTC timestamp of min. value: THD voltage L2	s
4302	uint	RD	UTC timestamp of min. value: THD voltage L3	s
4304	uint	RD	UTC timestamp of min. value: frequency	s
4306	uint	RD	UTC timestamp of min. value: voltage zero sequence	s
4308	uint	RD	UTC timestamp of min. value: voltage positive sequence	s
4310	uint	RD	UTC timestamp of min. value: voltage negative sequence	s
4312	uint	RD	UTC timestamp of min. value: active power L1	s
4314	uint	RD	UTC timestamp of min. value: active power L2	s
4316	uint	RD	UTC timestamp of min. value: active power L3	s
4318	uint	RD	UTC timestamp of min. value: active power sum	s
4320	uint	RD	UTC timestamp of min. value: power factor L1	s
4322	uint	RD	UTC timestamp of min. value: power factor L2	s
4324	uint	RD	UTC timestamp of min. value: power factor L3	s
4326	uint	RD	UTC timestamp of min. value: power factor sum	s
4328	uint	RD	UTC timestamp of min. value: THD current L1	s
4330	uint	RD	UTC timestamp of min. value: THD current L2	s
4332	uint	RD	UTC timestamp of min. value: THD current L3	s
4334	uint	RD	UTC timestamp of min. value: current L1	s
4336	uint	RD	UTC timestamp of min. value: current L2	s

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
4338	uint	RD	UTC timestamp of min. value: current L3	s		
4340	uint	RD	UTC timestamp of min. value: current sum	s		
4342	uint	RD	UTC timestamp of min. value: reactive power L1	s		
4344	uint	RD	UTC timestamp of min. value: reactive power L2	s		
4346	uint	RD	UTC timestamp of min. value: reactive power L3	s		
4348	uint	RD	UTC timestamp of min. value: reactive power sum	s		
4350	uint	RD	UTC timestamp of min. value: apparent power L1	s		
4352	uint	RD	UTC timestamp of min. value: apparent power L2	s		
4354	uint	RD	UTC timestamp of min. value: apparent power L3	s		
4356	uint	RD	UTC timestamp of min. value: apparent power sum	s		
4358	uint	RD	UTC timestamp of min. value: voltage asym-metry	s		
4360	uint	RD	UTC timestamp of min. value: current asym-metry	s		

Gleitende Mittelwerte

57	char	RD/WR	Time base moving mean values - Current 0=5s, 1=10s, 2=30s, 3=60s, 4=5min, 5=8min, 6=15min		0	6
58	char	RD/WR	Time base moving mean values - Power 0=5s, 1=10s, 2=30s, 3=60s, 4=5min, 5=8min, 6=15min		0	6
2000	float	RD	Mean value (float): voltage L1	V		
2002	float	RD	Mean value (float): voltage L2	V		
2004	float	RD	Mean value (float): voltage L3	V		
2006	float	RD	Mean value (float): mean value voltage L1-L2	V		
2008	float	RD	Mean value (float): mean value voltage L2-L3	V		
2010	float	RD	Mean value (float): mean value voltage L3-L1	V		
2012	float	RD	Mean value (float): mean value current L1	A		
2014	float	RD	Mean value (float): mean value current L2	A		
2016	float	RD	Mean value (float): mean value current L3	A		
2018	float	RD	Mean value (float): mean value current sum	A		
2020	float	RD	Mean value (float): mean value active power L1	W		
2022	float	RD	Mean value (float): mean value active power L2	W		
2024	float	RD	Mean value (float): mean value active power L3	W		
2026	float	RD	Mean value (float): mean value active power sum	W		
2028	float	RD	Mean value (float): mean value reactive power L1	var		
2030	float	RD	Mean value (float): reactive power L2	var		
2032	float	RD	Mean value (float): reactive power L3	var		
2034	float	RD	Mean value (float): mean value reactive power sum	var		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
2036	float	RD	Mean value (float): apparent power L1	VA		
2038	float	RD	Mean value (float): mean value apparent power L2	VA		
2040	float	RD	Mean value (float): mean value apparent power L3	VA		
2042	float	RD	Mean value (float): mean value apparent power sum	VA		
2044	float	RD	Mean value (float): mean value cos(φ) L1			
2046	float	RD	Mean value (float): mean value cos(φ) L2			
2048	float	RD	Mean value (float): mean value cos(φ) L3			
2050	float	RD	Mean value (float): cos(φ) sum			
2052	float	RD	Mean value (float): active power, fundamental oscillation L1	W		
2054	float	RD	Mean value (float): active power, fundamental oscillation L2	W		
2056	float	RD	Mean value (float): active power, fundamental oscillation L3	W		
2214	float	RD	Mean value (float): THD voltage L1 [%]	%		
2216	float	RD	Mean value (float): THD voltage L2 [%]	%		
2218	float	RD	Mean value (float): THD voltage L3 [%]	%		
2220	float	RD	Mean value (float): THD current L1 [%]	%		
2222	float	RD	Mean value (float): THD current L2 [%]	%		
2224	float	RD	Mean value (float): THD current L3 [%]	%		
2226	float	RD	Mean value (float): frequency	Hz		
2228	float	RD	Mean value (float): zero sequence voltage			
2230	float	RD	Mean value (float): positive sequence voltage			
2232	float	RD	Mean value (float): negative sequence voltage			
2234	float	RD	Mean value (float): zero sequence current			
2236	float	RD	Mean value (float): mean value positive sequence current			
2238	float	RD	Mean value (float): mean value negative sequence current			
2240	float	RD	Mean value (float): mean value distortion power L1	var		
2242	float	RD	Mean value (float): mean value distortion power L2	var		
2244	float	RD	Mean value (float): distortion power L3	var		
2246	float	RD	Mean value (float): distortion power sum	var		
2248	float	RD	Mean value (float): TDD (total demand distortion) current L1 [%]	%		
2250	float	RD	Mean value (float): TDD (total demand distortion) current L2 [%]	%		
2252	float	RD	Mean value (float): TDD (total demand distortion) current L3 [%]	%		
2254	float	RD	Mean value (float): power factor L1			
2256	float	RD	Mean value (float): power factor L2			
2258	float	RD	Mean value (float): power factor L3			
2260	float	RD	Mean value (float): power factor sum3=Psum3/Ssum3			
2294	float	RD	Mean value (float): voltage asymmetry [%] (avg)	%		
2296	float	RD	Mean value (float): current asymmetry [%] (avg)	%		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
12000	short (x10)	RD	Mean value (short): voltage L1-N	V		
12001	short (x10)	RD	Mean value (short): voltage L2-N	V		
12002	short (x10)	RD	Mean value (short): voltage L3-N	V		
12003	short (x10)	RD	Mean value (short): voltage L1-L2	V		
12004	short (x10)	RD	Mean value (short): voltage L2-L3	V		
12005	short (x10)	RD	Mean value (short): voltage L3-L1	V		
12006	short (x1000)	RD	Mean value (short): current L1	A		
12007	short (x1000)	RD	Mean value (short): current L2	A		
12008	short (x1000)	RD	Mean value (short): current L3	A		
12009	short (x1000)	RD	Mean value (short): current sum	A		
12010	short (x10)	RD	Mean value (short): active power L1	W		
12011	short (x10)	RD	Mean value (short): active power L2	W		
12012	short (x10)	RD	Mean value (short): active power L3	W		
12013	short	RD	Mean value (short): active power sum	W		
12014	short (x10)	RD	Mean value (short): reactive power L1	var		
12015	short (x10)	RD	Mean value (short): reactive power L2	var		
12016	short (x10)	RD	Mean value (short): reactive power L3	var		
12017	short	RD	Mean value (short): reactive power sum	var		
12018	short (x10)	RD	Mean value (short): apparent power L1	VA		
12019	short (x10)	RD	Mean value (short): apparent power L2	VA		
12020	short (x10)	RD	Mean value (short): apparent power L3	VA		
12021	short	RD	Mean value (short): apparent power sum	VA		
12022	short (x1000)	RD	Mean value (short): cos(φ) L1			
12023	short (x1000)	RD	Mean value (short): cos(φ) L2			
12024	short (x1000)	RD	Mean value (short): cos(φ) L3			
12025	short (x1000)	RD	Mean value (short): cos(φ) sum			
12026	short (x10)	RD	Mean value (short): active power of fundamental oscillation L1	W		
12027	short (x10)	RD	Mean value (short): active power of fundamental oscillation L2	W		
12028	short (x10)	RD	Mean value (short): active power of fundamental oscillation L3	W		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
12107	short (x100)	RD	Mean value (short): THD voltage L1	%		
12108	short (x100)	RD	Mean value (short): THD voltage L2	%		
12109	short (x100)	RD	Mean value (short): THD voltage L3	%		
12110	short (x100)	RD	Mean value (short): THD current L1	%		
12111	short (x100)	RD	Mean value (short): THD current L2	%		
12112	short (x100)	RD	Mean value (short): THD current L3	%		
12113	short (x100)	RD	Mean value (short): frequency	Hz		
12114	short (x10)	RD	Mean value (short): zero sequence voltage			
12115	short (x10)	RD	Mean value (short): positive sequence voltage			
12116	short (x10)	RD	Mean value (short): negative sequence voltage			
12117	short (x1000)	RD	Mean value (short): zero sequence current			
12118	short (x1000)	RD	Mean value (short): positive sequence current			
12119	short (x1000)	RD	Mean value (short): negative sequence current			
12120	short (x10)	RD	Mean value (short): distortion power L1	var		
12121	short (x10)	RD	Mean value (short): distortion power L2	var		
12122	short (x10)	RD	Mean value (short): distortion power L3	var		
12123	short	RD	Mean value (short): distortion power sum	var		

Maximalwerte der gleitenden Mittelwerte

3248	float	RD	Maximum values of mean values (float): current L1	A		
3250	float	RD	Maximum values of mean values (float): current L2	A		
3252	float	RD	Maximum values of mean values (float): current L3	A		
3254	float	RD	Maximum values of mean values (float): current sum	A		
3256	float	RD	Maximum values of mean values (float): active power L1	W		
3258	float	RD	Maximum values of mean values (float): active power L2	W		
3260	float	RD	Maximum values of mean values (float): active power L3	W		
3262	float	RD	Maximum values of mean values (float): active power sum	W		
13124	short (x1000)	RD	Maximum values of mean values (short): current L1	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
13125	short (x1000)	RD	Maximum values of mean values (short): current L2	A		
13126	short (x1000)	RD	Maximum values of mean values (short): current L3	A		
13128	short (x10)	RD	Maximum values of mean values (short): active power L1	A		
13129	short (x10)	RD	Maximum values of mean values (short): active power L2	A		
13130	short (x10)	RD	Maximum values of mean values (short): active power L3	A		

Gerasterte Mittelwerte

31504	ushort	RD/WR	averaging interval for Gridded Mean Values in Seconds	s	60	3600
32000	float	RD	Gridded mean values (float): maximum voltage L1	V		
32002	float	RD	Gridded mean values (float): maximum voltage L2	V		
32004	float	RD	Gridded mean values (float): maximum voltage L3	V		
32008	float	RD	Gridded mean values (float): maximum voltage L1-L2	V		
32010	float	RD	Gridded mean values (float): maximum voltage L2-L3	V		
32012	float	RD	Gridded mean values (float): maximum voltage L3-L1	V		
32016	float	RD	Gridded mean values (float): maximum current L1	A		
32018	float	RD	Gridded mean values (float): maximum current L2	A		
32020	float	RD	Gridded mean values (float): maximum current L3	A		
32022	float	RD	Gridded mean values (float): maximum current L4	A		
32024	float	RD	Gridded mean values (float): sum maximum current L1-L3	A		
32026	float	RD	Gridded mean values (float): sum maximum current L1-L4	A		
32028	float	RD	Gridded mean values (float): maximum active power L1	W		
32030	float	RD	Gridded mean values (float): maximum active power L2	W		
32032	float	RD	Gridded mean values (float): maximum active power L3	W		
32036	float	RD	Gridded mean values (float): maximum total active power	W		
32040	float	RD	Gridded mean values (float): maximum reactive power L1	VA		
32042	float	RD	Gridded mean values (float): maximum reactive power L2	VA		
32044	float	RD	Gridded mean values (float): maximum reactive power L3	VA		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
32048	float	RD	Gridded mean values (float): maximum total reactive power	VA		
32052	float	RD	Gridded mean values (float): maximum apparent power L1	var		
32054	float	RD	Gridded mean values (float): maximum apparent power L2	var		
32056	float	RD	Gridded mean values (float): maximum apparent power L3	var		
32060	float	RD	Gridded mean values (float): maximum total apparent power	var		
32064	float	RD	Gridded mean values (float): maximum cos(phi) L1			
32066	float	RD	Gridded mean values (float): maximum cos(phi) L2			
32068	float	RD	Gridded mean values (float): maximum cos(phi) L3			
32072	float	RD	Gridded mean values (float): maximum cos(phi)			
32076	float	RD	Gridded mean values (float): minimum voltage L1	V		
32078	float	RD	Gridded mean values (float): minimum voltage L2	V		
32080	float	RD	Gridded mean values (float): minimum voltage L3	V		
32084	float	RD	Gridded mean values (float): minimum voltage L1-L2	V		
32086	float	RD	Gridded mean values (float): minimum voltage L2-L3	V		
32088	float	RD	Gridded mean values (float): minimum voltage L3-L1	V		
32092	float	RD	Gridded mean values (float): minimum current L1	A		
32094	float	RD	Gridded mean values (float): minimum current L2	A		
32096	float	RD	Gridded mean values (float): minimum current L3	A		
32098	float	RD	Gridded mean values (float): minimum current L4	A		
32100	float	RD	Gridded mean values (float): sum minimum current L1-L3	A		
32102	float	RD	Gridded mean values (float): sum minimum current L1-L4	A		
32104	float	RD	Gridded mean values (float): minimum active power L1	W		
32106	float	RD	Gridded mean values (float): minimum active power L2	W		
32108	float	RD	Gridded mean values (float): minimum active power L3	W		
32112	float	RD	Gridded mean values (float): minimum total active power	W		
32116	float	RD	Gridded mean values (float): minimum reactive power L1	VA		
32118	float	RD	Gridded mean values (float): minimum reactive power L2	VA		
32120	float	RD	Gridded mean values (float): minimum reactive power L3	VA		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
32124	float	RD	Gridded mean values (float): minimum total reactive power	VA		
32128	float	RD	Gridded mean values (float): minimum apparent power L1	var		
32130	float	RD	Gridded mean values (float): minimum apparent power L2	var		
32132	float	RD	Gridded mean values (float): minimum apparent power L3	var		
32136	float	RD	Gridded mean values (float): minimum total apparent power	var		
32140	float	RD	Gridded mean values (float): minimum cos(phi) L1			
32142	float	RD	Gridded mean values (float): minimum cos(phi) L2			
32144	float	RD	Gridded mean values (float): minimum cos(phi) L3			
32148	float	RD	Gridded mean values (float): minimum cos(phi)			
32152	float	RD	Gridded mean values (float): average voltage L1	V		
32154	float	RD	Gridded mean values (float): average voltage L2	V		
32156	float	RD	Gridded mean values (float): average voltage L3	V		
32160	float	RD	Gridded mean values (float): average voltage L1-L2	V		
32162	float	RD	Gridded mean values (float): average voltage L2-L3	V		
32164	float	RD	Gridded mean values (float): average voltage L3-L1	V		
32168	float	RD	Gridded mean values (float): average current L1	A		
32170	float	RD	Gridded mean values (float): average current L2	A		
32172	float	RD	Gridded mean values (float): average current L3	A		
32174	float	RD	Gridded mean values (float): average current L4	A		
32176	float	RD	Gridded mean values (float): sum average current L1-L3	A		
32178	float	RD	Gridded mean values (float): sum average current L1-L4	A		
32180	float	RD	Gridded mean values (float): average active power L1	W		
32182	float	RD	Gridded mean values (float): average active power L2	W		
32184	float	RD	Gridded mean values (float): average active power L3	W		
32188	float	RD	Gridded mean values (float): average total active power	W		
32192	float	RD	Gridded mean values (float): average apparent power L1	VA		
32194	float	RD	Gridded mean values (float): average apparent power L2	VA		
32196	float	RD	Gridded mean values (float): average apparent power L3	VA		
32200	float	RD	Gridded mean values (float): average total apparent power	VA		
32204	float	RD	Gridded mean values (float): average reactive power L1	var		
32206	float	RD	Gridded mean values (float): average reactive power L2	var		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
32208	float	RD	Gridded mean values (float): average reactive power L3	var		
32212	float	RD	Gridded mean values (float): average total reactive power	var		
32216	float	RD	Gridded mean values (float): average cos(phi) L1			
32218	float	RD	Gridded mean values (float): average cos(phi) L2			
32220	float	RD	Gridded mean values (float): average cos(phi) L3			
32224	float	RD	Gridded mean values (float): average cos(phi)			
32609	uint	RD	Gridded mean values (float): UTC timestamp			

Schleppzeigerwerte

7000	float	RD	Drag indicator: highest value current L1	A
7002	float	RD	Drag indicator: highest value current L2	A
7004	float	RD	Drag indicator: highest value current L3	A
7006	uint	RD	Drag indicator: point in time [UTC], highest value current L1	s
7008	uint	RD	Drag indicator: point in time [UTC], highest value current L2	s
7010	uint	RD	Drag indicator: point in time [UTC], highest value current L3	s
7012	float	RD	Drag indicator: highest value apparent power L1	VA
7014	float	RD	Drag indicator: highest value apparent power L2	VA
7016	float	RD	Drag indicator: highest value apparent power L3	VA
7018	float	RD	Drag indicator: highest value apparent power sum	VA
7020	uint	RD	Drag indicator: point in time [UTC], highest value apparent power L1	s
7022	uint	RD	Drag indicator: point in time [UTC], highest value apparent power L2	s
7024	uint	RD	Drag indicator: point in time [UTC], highest value apparent power L3	s
7026	uint	RD	Drag indicator: point in time [UTC], highest value apparent power sum	s
7028	float	RD	Drag indicator: highest value active power L1, consumed	W
7030	float	RD	Drag indicator: highest value active power L2, consumed	W
7032	float	RD	Drag indicator: highest value active power L3, consumed	W
7034	float	RD	Drag indicator: highest value active power sum, consumed	W
7036	uint	RD	Drag indicator: point in time [UTC], highest value active power L1, consumed	s
7038	uint	RD	Drag indicator: point in time [UTC], highest value active power L2, consumed	s

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
7040	uint	RD	Drag indicator: point in time [UTC], highest value active power L3, consumed	s		
7042	uint	RD	Drag indicator: point in time [UTC], highest value active power sum, consumed	s		
7044	float	RD	Drag indicator: highest value active power L1, delivered	W		
7046	float	RD	Drag indicator: highest value active power L2, delivered	W		
7048	float	RD	Drag indicator: highest value active power L3, delivered	W		
7050	float	RD	Drag indicator: highest value active power sum, delivered	W		
7052	uint	RD	Drag indicator: point in time [UTC], highest value active power L1, delivered	s		
7054	uint	RD	Drag indicator: point in time [UTC], highest value active power L2, delivered	s		
7056	uint	RD	Drag indicator: point in time [UTC], highest value active power L3, delivered	s		
7058	uint	RD	Drag indicator: point in time [UTC], highest value active power sum, delivered	s		
7060	float	RD	Drag indicator: 2. highest value current L1	A		
7062	float	RD	Drag indicator: 2. highest value current L2	A		
7064	float	RD	Drag indicator: 2. highest value current L3	A		
7066	uint	RD	Drag indicator: point in time [UTC], 2. highest value current L1	s		
7068	uint	RD	Drag indicator: point in time [UTC], 2. highest value current L2	s		
7070	uint	RD	Drag indicator: point in time [UTC], 2. highest value current L3	s		
7072	float	RD	Drag indicator: 2. highest value apparent power L1	VA		
7074	float	RD	Drag indicator: 2. highest value apparent power L2	VA		
7076	float	RD	Drag indicator: 2. highest value apparent power L3	VA		
7078	float	RD	Drag indicator: 2. highest value apparent power sum	VA		
7080	uint	RD	Drag indicator: point in time [UTC], 2. highest value apparent power L1	s		
7082	uint	RD	Drag indicator: point in time [UTC], 2. highest value apparent power L2	s		
7084	uint	RD	Drag indicator: point in time [UTC], 2. highest value apparent power L3	s		
7086	uint	RD	Drag indicator: point in time [UTC], 2. highest value apparent power sum	s		
7088	float	RD	Drag indicator: 2. highest value active power L1, consumed	W		
7090	float	RD	Drag indicator: 2. highest value active power L2, consumed	W		
7092	float	RD	Drag indicator: 2. highest value active power L3, consumed	W		
7094	float	RD	Drag indicator: 2. highest value active power sum, consumed	W		
7096	uint	RD	Drag indicator: point in time [UTC], 2. highest value active power L1, consumed	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
7098	uint	RD	Drag indicator: point in time [UTC], 2. highest value active power L2, consumed	s		
7100	uint	RD	Drag indicator: point in time [UTC], 2. highest value active power L3, consumed	s		
7102	uint	RD	Drag indicator: point in time [UTC], 2. highest value active power sum, consumed	s		
7104	float	RD	Drag indicator: 2. highest value active power L1, delivered	W		
7106	float	RD	Drag indicator: 2. highest value active power L2, delivered	W		
7108	float	RD	Drag indicator: 2. highest value active power L3, delivered	W		
7110	float	RD	Drag indicator: 2. highest value active power sum, delivered	W		
7112	uint	RD	Drag indicator: point in time [UTC], 2. highest value active power L1, delivered	s		
7114	uint	RD	Drag indicator: point in time [UTC], 2. highest value active power L2, delivered	s		
7116	uint	RD	Drag indicator: point in time [UTC], 2. highest value active power L3, delivered	s		
7118	uint	RD	Drag indicator: point in time [UTC], 2. highest value active power sum, delivered	s		
7120	float	RD	Drag indicator: 3. highest value current L1	A		
7122	float	RD	Drag indicator: 3. highest value current L2	A		
7124	float	RD	Drag indicator: 3. highest value current L3	A		
7126	uint	RD	Drag indicator: point in time [UTC], 3. highest value current L1	s		
7128	uint	RD	Drag indicator: point in time [UTC], 3. highest value current L2	s		
7130	uint	RD	Drag indicator: point in time [UTC], 3. highest value current L3	s		
7132	float	RD	Drag indicator: 3. highest value apparent power L1	VA		
7134	float	RD	Drag indicator: 3. highest value apparent power L2	VA		
7136	float	RD	Drag indicator: 3. highest value apparent power L3	VA		
7138	float	RD	Drag indicator: 3. highest value apparent power sum	VA		
7140	uint	RD	Drag indicator: point in time [UTC], 3. highest value apparent power L1	s		
7142	uint	RD	Drag indicator: point in time [UTC], 3. highest value apparent power L2	s		
7144	uint	RD	Drag indicator: point in time [UTC], 3. highest value apparent power L3	s		
7146	uint	RD	Drag indicator: point in time [UTC], 3. highest value apparent power sum	s		
7148	float	RD	Drag indicator: 3. highest value active power L1, consumed	W		
7150	float	RD	Drag indicator: 3. highest value active power L2, consumed	W		
7152	float	RD	Drag indicator: 3. highest value active power L3, consumed	W		
7154	float	RD	Drag indicator: 3. highest value active power sum, consumed	W		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
7156	uint	RD	Drag indicator: point in time [UTC], 3. highest value active power L1, consumed	s		
7158	uint	RD	Drag indicator: point in time [UTC], 3. highest value active power L2, consumed	s		
7160	uint	RD	Drag indicator: point in time [UTC], 3. highest value active power L3, consumed	s		
7162	uint	RD	Drag indicator: point in time [UTC], 3. highest value active power sum, consumed	s		
7164	float	RD	Drag indicator: 3. highest value active power L1, delivered	W		
7166	float	RD	Drag indicator: 3. highest value active power L2, delivered	W		
7168	float	RD	Drag indicator: 3. highest value active power L3, delivered	W		
7170	float	RD	Drag indicator: 3. highest value active power sum, delivered	W		
7172	uint	RD	Drag indicator: point in time [UTC], 3. highest value active power L1, delivered	s		
7174	uint	RD	Drag indicator: point in time [UTC], 3. highest value active power L2, delivered	s		
7176	uint	RD	Drag indicator: point in time [UTC], 3. highest value active power L3, delivered	s		
7178	uint	RD	Drag indicator: point in time [UTC], 3. highest value active power sum, delivered	s		

Energiewerte

5000	float	RD	Active Energy L1, consumed	Wh
5002	float	RD	Active Energy L2, consumed	Wh
5004	float	RD	Active Energy L3, consumed	Wh
5006	float	RD	Active Energy sum, consumed	Wh
5008	float	RD	Active Energy L1, consumed, HT	Wh
5010	float	RD	Active Energy L2, consumed, HT	Wh
5012	float	RD	Active Energy L3, consumed, HT	Wh
5014	float	RD	Active Energy sum, consumed, HT	Wh
5016	float	RD	Active Energy L1, consumed, NT	Wh
5018	float	RD	Active Energy L2, consumed, NT	Wh
5020	float	RD	Active Energy L3, consumed, NT	Wh
5022	float	RD	Active Energy sum, consumed, NT	Wh
5024	float	RD	Apparent Energy L1	VAh
5026	float	RD	Apparent Energy L2	VAh
5028	float	RD	Apparent Energy L3	VAh
5030	float	RD	Apparent Energy, total	VAh
5032	float	RD	Apparent Energy L1, HT	VAh
5034	float	RD	Apparent Energy L1, HT	VAh
5036	float	RD	Apparent Energy L3, HT	VAh
5038	float	RD	Apparent Energy, total, HT	VAh
5040	float	RD	Apparent Energy L1, NT	VAh
5042	float	RD	Apparent Energy L2, NT	VAh
5044	float	RD	Apparent Energy L3, NT	VAh

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
5046	float	RD	Apparent Energy, total, NT	VAh		
5048	float	RD	Reactive Energy L1, inductive	varh		
5050	float	RD	Reactive Energy L2, inductive	varh		
5052	float	RD	Reactive Energy L3, inductive	varh		
5054	float	RD	Reactive Energy sum, inductive	varh		
5056	float	RD	Reactive Energy L1, inductive, HT	varh		
5058	float	RD	Reactive Energy L2, inductive, HT	varh		
5060	float	RD	Reactive Energy L3, inductive, HT	varh		
5062	float	RD	Reactive Energy, total, inductive, HT	varh		
5064	float	RD	Reactive Energy L1, inductive, NT	varh		
5066	float	RD	Reactive Energy L2, inductive, NT	varh		
5068	float	RD	Reactive Energy L3, inductive, NT	varh		
5070	float	RD	Reactive Energy, total, inductive, NT	varh		
5072	float	RD	Active Energy L1, delivered	Wh		
5074	float	RD	Active Energy L2, delivered	Wh		
5076	float	RD	Active Energy L3, delivered	Wh		
5078	float	RD	Active Energy sum, delivered	Wh		
5080	float	RD	Reactive Energy L1, capazitive	varh		
5082	float	RD	Reactive Energy L2, capazitive	varh		
5084	float	RD	Reactive Energy L3, capazitive	varh		
5086	float	RD	Reactive Energy sum, capazitive	varh		
5088	float	RD	Active Energy sum, without return travel block	Wh		
5090	float	RD	Reactive Energy sum, without return travel block	varh		
5092	float	RD	Reactive Energy L1, inductive, consumed	varh		
5094	float	RD	Reactive Energy L2, inductive, consumed	varh		
5096	float	RD	Reactive Energy L3, inductive, consumed	varh		
5098	float	RD	Reactive Energy sum, inductive, consumed	varh		
5100	float	RD	Reactive Energy L1, capazitive, consumed	varh		
5102	float	RD	Reactive Energy L2, capazitive, consumed	varh		
5104	float	RD	Reactive Energy L3, capazitive, consumed	varh		
5106	float	RD	Reactive Energy sum, capazitive, consumed	varh		
5108	float	RD	Reactive Energy L1, inductive, delivered	varh		
5110	float	RD	Reactive Energy L2, inductive, delivered	varh		
5112	float	RD	Reactive Energy L3, inductive, delivered	varh		
5114	float	RD	Reactive Energy sum, inductive, delivered	varh		
5116	float	RD	Reactive Energy L1, capazitive, delivered	varh		
5118	float	RD	Reactive Energy L2, capazitive, delivered	varh		
5120	float	RD	Reactive Energy L3, capazitive, delivered	varh		
5122	float	RD	Reactive Energy sum, capazitive, delivered	varh		
5124	float	RD	Active Energy (consumed), max. monthly value, jan., even year	Wh		
5126	float	RD	Active Energy (consumed), max. monthly value, feb., even year	Wh		
5128	float	RD	Active Energy (consumed), max. monthly value, mar., even year	Wh		
5130	float	RD	Active Energy (consumed), max. monthly value, apr., even year	Wh		
5132	float	RD	Active Energy (consumed), max. monthly value, may., even year	Wh		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
5134	float	RD	Active Energy (consumed), max. monthly value, jun., even year	Wh		
5136	float	RD	Active Energy (consumed), max. monthly value, jul., even year	Wh		
5138	float	RD	Active Energy (consumed), max. monthly value, aug., even year	Wh		
5140	float	RD	Active Energy (consumed), max. monthly value, sep., even year	Wh		
5142	float	RD	Active Energy (consumed), max. monthly value, oct., even year	Wh		
5144	float	RD	Active Energy (consumed), max. monthly value, nov., even year	Wh		
5146	float	RD	Active Energy (consumed), max. monthly value, dec., even year	Wh		
5148	float	RD	Active Energy (consumed), max. monthly value, jan., uneven year	Wh		
5150	float	RD	Active Energy (consumed), max. monthly value, feb., uneven year	Wh		
5152	float	RD	Active Energy (consumed), max. monthly value, mar., uneven year	Wh		
5154	float	RD	Active Energy (consumed), max. monthly value, apr., uneven year	Wh		
5156	float	RD	Active Energy (consumed), max. monthly value, may., uneven year	Wh		
5158	float	RD	Active Energy (consumed), max. monthly value, jun., uneven year	Wh		
5160	float	RD	Active Energy (consumed), max. monthly value, jul., uneven year	Wh		
5162	float	RD	Active Energy (consumed), max. monthly value, aug., uneven year	Wh		
5164	float	RD	Active Energy (consumed), max. monthly value, sep., uneven year	Wh		
5166	float	RD	Active Energy (consumed), max. monthly value, oct., uneven year	Wh		
5168	float	RD	Active Energy (consumed), max. monthly value, nov., uneven year	Wh		
5170	float	RD	Active Energy (consumed), max. monthly value, dec., uneven year	Wh		
5172	float	RD	Apparent Energy, max. monthly value, jan., even year	VAh		
5174	float	RD	Apparent Energy, max. monthly value, feb., even year	VAh		
5176	float	RD	Apparent Energy, max. monthly value, mar., even year	VAh		
5178	float	RD	Apparent Energy, max. monthly value, apr., even year	VAh		
5180	float	RD	Apparent Energy, max. monthly value, may., even year	VAh		
5182	float	RD	Apparent Energy, max. monthly value, jun., even year	VAh		
5184	float	RD	Apparent Energy, max. monthly value, jul., even year	VAh		
5186	float	RD	Apparent Energy, max. monthly value, aug., even year	VAh		
5188	float	RD	Apparent Energy, max. monthly value, sep., even year	VAh		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
5190	float	RD	Apparent Energy, max. monthly value, oct., even year	VAh		
5192	float	RD	Apparent Energy, max. monthly value, nov., even year	VAh		
5194	float	RD	Apparent Energy, max. monthly value, dec., even year	VAh		
5196	float	RD	Apparent Energy, max. monthly value, jan., uneven year	VAh		
5198	float	RD	Apparent Energy, max. monthly value, feb., uneven year	VAh		
5200	float	RD	Apparent Energy, max. monthly value, mar., uneven year	VAh		
5202	float	RD	Apparent Energy, max. monthly value, apr., uneven year	VAh		
5204	float	RD	Apparent Energy, max. monthly value, may., uneven year	VAh		
5206	float	RD	Apparent Energy, max. monthly value, jun., uneven year	VAh		
5208	float	RD	Apparent Energy, max. monthly value, jul., uneven year	VAh		
5210	float	RD	Apparent Energy, max. monthly value, aug., uneven year	VAh		
5212	float	RD	Apparent Energy, max. monthly value, sep., uneven year	VAh		
5214	float	RD	Apparent Energy, max. monthly value, oct., uneven year	VAh		
5216	float	RD	Apparent Energy, max. monthly value, nov., uneven year	VAh		
5218	float	RD	Apparent Energy, max. monthly value, dec., uneven year	VAh		
5220	float	RD	Reactive Energy (ind.), max. monthly value, jan., even year	varh		
5222	float	RD	Reactive Energy (ind.), max. monthly value, feb., even year	varh		
5224	float	RD	Reactive Energy (ind.), max. monthly value, mar., even year	varh		
5226	float	RD	Reactive Energy (ind.), max. monthly value, apr., even year	varh		
5228	float	RD	Reactive Energy (ind.), max. monthly value, may., even year	varh		
5230	float	RD	Reactive Energy (ind.), max. monthly value, jun., even year	varh		
5232	float	RD	Reactive Energy (ind.), max. monthly value, jul., even year	varh		
5234	float	RD	Reactive Energy (ind.), max. monthly value, aug., even year	varh		
5236	float	RD	Reactive Energy (ind.), max. monthly value, sep., even year	varh		
5238	float	RD	Reactive Energy (ind.), max. monthly value, oct., even year	varh		
5240	float	RD	Reactive Energy (ind.), max. monthly value, nov., even year	varh		
5242	float	RD	Reactive Energy (ind.), max. monthly value, dec., even year	varh		
5244	float	RD	Reactive Energy (ind.), max. monthly value, jan., uneven year	varh		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
5246	float	RD	Reactive Energy (ind.), max. monthly value, feb., uneven year	varh		
5248	float	RD	Reactive Energy (ind.), max. monthly value, mar., uneven year	varh		
5250	float	RD	Reactive Energy (ind.), max. monthly value, apr., uneven year	varh		
5252	float	RD	Reactive Energy (ind.), max. monthly value, may., uneven year	varh		
5254	float	RD	Reactive Energy (ind.), max. monthly value, jun., uneven year	varh		
5256	float	RD	Reactive Energy (ind.), max. monthly value, jul., uneven year	varh		
5258	float	RD	Reactive Energy (ind.), max. monthly value, aug., uneven year	varh		
5260	float	RD	Reactive Energy (ind.), max. monthly value, sep., uneven year	varh		
5262	float	RD	Reactive Energy (ind.), max. monthly value, oct., uneven year	varh		
5264	float	RD	Reactive Energy (ind.), max. monthly value, nov., uneven year	varh		
5266	float	RD	Reactive Energy (ind.), max. monthly value, dec., uneven year	varh		
6000	double	RD/WR	Active Energy L1, consumed	Wh	0	3.403 e+38
6004	double	RD/WR	Active Energy L2, consumed	Wh	0	3.403 e+38
6008	double	RD/WR	Active Energy L3, consumed	Wh	0	3.403 e+38
6012	double	RD/WR	Active Energy sum, consumed	Wh	0	3.403 e+38
6016	double	RD/WR	Active Energy L1, consumed, HT	Wh	0	3.403 e+38
6020	double	RD/WR	Active Energy L2, consumed, HT	Wh	0	3.403 e+38
6024	double	RD/WR	Active Energy L3, consumed, HT	Wh	0	3.403 e+38
6028	double	RD/WR	Active Energy sum, consumed, HT	Wh	0	3.403 e+38
6032	double	RD/WR	Active Energy L1, consumed, NT	Wh	0	3.403 e+38
6036	double	RD/WR	Active Energy L2, consumed, NT	Wh	0	3.403 e+38
6040	double	RD/WR	Active Energy L3, consumed, NT	Wh	0	3.403 e+38
6044	double	RD/WR	Active Energy sum, consumed, NT	Wh	0	3.403 e+38
6048	double	RD/WR	Apparent Energy L1	VAh	0	3.403 e+38
6052	double	RD/WR	Apparent Energy L2	VAh	0	3.403 e+38
6056	double	RD/WR	Apparent Energy L3	VAh	0	3.403 e+38
6060	double	RD/WR	Apparent Energy, total	VAh	0	3.403 e+38
6064	double	RD/WR	Apparent Energy L1, HT	VAh	0	3.403 e+38
6068	double	RD/WR	Apparent Energy L2, HT	VAh	0	3.403 e+38
6072	double	RD/WR	Apparent Energy L3, HT	VAh	0	3.403 e+38
6076	double	RD/WR	Apparent Energy, total, HT	VAh	0	3.403 e+38
6080	double	RD/WR	Apparent Energy L1, NT	VAh	0	3.403 e+38
6084	double	RD/WR	Apparent Energy L2, NT	VAh	0	3.403 e+38
6088	double	RD/WR	Apparent Energy L3, NT	VAh	0	3.403 e+38
6092	double	RD/WR	Apparent Energy, total, NT	VAh	0	3.403 e+38
6096	double	RD/WR	Reactive Energy L1, inductive	varh	0	3.403 e+38
6100	double	RD/WR	Reactive Energy L2, inductive	varh	0	3.403 e+38
6104	double	RD/WR	Reactive Energy L3, inductive	varh	0	3.403 e+38
6108	double	RD/WR	Reactive Energy sum, inductive	varh	0	3.403 e+38
6112	double	RD/WR	Reactive Energy L1, inductive, HT	varh	0	3.403 e+38

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
6116	double	RD/WR	Reactive Energy L2, inductive, HT	varh	0	3.403 e+38
6120	double	RD/WR	Reactive Energy L3, inductive, HT	varh	0	3.403 e+38
6124	double	RD/WR	Reactive Energy, total, inductive, HT	varh	0	3.403 e+38
6128	double	RD/WR	Reactive Energy L1, inductive, NT	varh	0	3.403 e+38
6132	double	RD/WR	Reactive Energy L2, inductive, NT	varh	0	3.403 e+38
6136	double	RD/WR	Reactive Energy L3, inductive, NT	varh	0	3.403 e+38
6140	double	RD/WR	Reactive Energy, total, inductive, NT	varh	0	3.403 e+38
6144	double	RD/WR	Active Energy, delivered	Wh	0	3.403 e+38
6148	double	RD/WR	Active Energy L2, delivered	Wh	0	3.403 e+38
6152	double	RD/WR	Active Energy L3, delivered	Wh	0	3.403 e+38
6156	double	RD/WR	Active Energy sum, delivered	Wh	0	3.403 e+38
6160	double	RD/WR	Reactive Energy L1, capazitive	varh	0	3.403 e+38
6164	double	RD/WR	Reactive Energy L2, capazitive	varh	0	3.403 e+38
6168	double	RD/WR	Reactive Energy L3, capazitive	varh	0	3.403 e+38
6172	double	RD/WR	Reactive Energy sum, capazitive	varh	0	3.403 e+38
6176	double	RD/WR	Active Energy sum, without return travel block	Wh	0	3.403 e+38
6180	double	RD/WR	Reactive Energy sum, without return travel block	varh	0	3.403 e+38
6184	double	RD/WR	Reactive Energy L1, inductive, consumed	varh	0	3.403 e+38
6188	double	RD/WR	Reactive Energy L2, inductive, consumed	varh	0	3.403 e+38
6192	double	RD/WR	Reactive Energy L3, inductive, consumed	varh	0	3.403 e+38
6196	double	RD/WR	Reactive Energy sum, inductive, consumed	varh	0	3.403 e+38
6200	double	RD/WR	Reactive Energy L1, capazitive, consumed	varh	0	3.403 e+38
6204	double	RD/WR	Reactive Energy L2, capazitive, consumed	varh	0	3.403 e+38
6208	double	RD/WR	Reactive Energy L3, capazitive, consumed	varh	0	3.403 e+38
6212	double	RD/WR	Reactive Energy sum, capazitive, consumed	varh	0	3.403 e+38
6216	double	RD/WR	Reactive Energy L1, inductive, delivered	varh	0	3.403 e+38
6220	double	RD/WR	Reactive Energy L2, inductive, delivered	varh	0	3.403 e+38
6224	double	RD/WR	Reactive Energy L3, inductive, delivered	varh	0	3.403 e+38
6228	double	RD/WR	Reactive Energy sum, inductive, delivered	varh	0	3.403 e+38
6232	double	RD/WR	Reactive Energy L1, capazitive, delivered	varh	0	3.403 e+38
6236	double	RD/WR	Reactive Energy L2, capazitive, delivered	varh	0	3.403 e+38
6240	double	RD/WR	Reactive Energy L3, capazitive, delivered	varh	0	3.403 e+38
6244	double	RD/WR	Reactive Energy sum, capazitive, delivered	varh	0	3.403 e+38
6248	double	RD	Active Energy (consumed), max. monthly value, jan., even year	Wh		
6252	double	RD	Active Energy (consumed), max. monthly value, feb., even year	Wh		
6256	double	RD	Active Energy (consumed), max. monthly value, mar., even year	Wh		
6260	double	RD	Active Energy (consumed), max. monthly value, apr., even year	Wh		
6264	double	RD	Active Energy (consumed), max. monthly value, may., even year	Wh		
6268	double	RD	Active Energy (consumed), max. monthly value, jun., even year	Wh		
6272	double	RD	Active Energy (consumed), max. monthly value, jul., even year	Wh		
6276	double	RD	Active Energy (consumed), max. monthly value, aug., even year	Wh		
6280	double	RD	Active Energy (consumed), max. monthly value, sep., even year	Wh		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
6284	double	RD	Active Energy (consumed), max. monthly value, oct., even year	Wh		
6288	double	RD	Active Energy (consumed), max. monthly value, nov., even year	Wh		
6292	double	RD	Active Energy (consumed), max. monthly value, dec., even year	Wh		
6296	double	RD	Active Energy (consumed), max. monthly value, jan., uneven year	Wh		
6300	double	RD	Active Energy (consumed), max. monthly value, feb., uneven year	Wh		
6304	double	RD	Active Energy (consumed), max. monthly value, mar., uneven year	Wh		
6308	double	RD	Active Energy (consumed), max. monthly value, apr., uneven year	Wh		
6312	double	RD	Active Energy (consumed), max. monthly value, may., uneven year	Wh		
6316	double	RD	Active Energy (consumed), max. monthly value, jun., uneven year	Wh		
6320	double	RD	Active Energy (consumed), max. monthly value, jul., uneven year	Wh		
6324	double	RD	Active Energy (consumed), max. monthly value, aug., uneven year	Wh		
6328	double	RD	Active Energy (consumed), max. monthly value, sep., uneven year	Wh		
6332	double	RD	Active Energy (consumed), max. monthly value, oct., uneven year	Wh		
6336	double	RD	Active Energy (consumed), max. monthly value, oct., uneven year	Wh		
6340	double	RD	Active Energy (consumed), max. monthly value, dec., uneven year	Wh		
6344	double	RD	Apparent Energy, max. monthly value, jan., even year	VAh		
6348	double	RD	Apparent Energy, max. monthly value, feb., even year	VAh		
6352	double	RD	Apparent Energy, max. monthly value, mar., even year	VAh		
6356	double	RD	Apparent Energy, max. monthly value, apr., even year	VAh		
6360	double	RD	Apparent Energy, max. monthly value, may., even year	VAh		
6364	double	RD	Apparent Energy, max. monthly value, jun., even year	VAh		
6368	double	RD	Apparent Energy, max. monthly value, jul., even year	VAh		
6372	double	RD	Apparent Energy, max. monthly value, aug., even year	VAh		
6376	double	RD	Apparent Energy, max. monthly value, sep., even year	VAh		
6380	double	RD	Apparent Energy, max. monthly value, oct., even year	VAh		
6384	double	RD	Apparent Energy, max. monthly value, nov., even year	VAh		
6388	double	RD	Apparent Energy, max. monthly value, dec., even year	VAh		
6392	double	RD	Apparent Energy, max. monthly value, jan., uneven year	VAh		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
6396	double	RD	Apparent Energy, max. monthly value, feb., uneven year	VAh		
6400	double	RD	Apparent Energy, max. monthly value, mar., uneven year	VAh		
6404	double	RD	Apparent Energy, max. monthly value, apr., uneven year	VAh		
6408	double	RD	Apparent Energy, max. monthly value, may., uneven year	VAh		
6412	double	RD	Apparent Energy, max. monthly value, jun., uneven year	VAh		
6416	double	RD	Apparent Energy, max. monthly value, jul., uneven year	VAh		
6420	double	RD	Apparent Energy, max. monthly value, aug., uneven year	VAh		
6424	double	RD	Apparent Energy, max. monthly value, sep., uneven year	VAh		
6428	double	RD	Apparent Energy, max. monthly value, oct., uneven year	VAh		
6432	double	RD	Apparent Energy, max. monthly value, nov., uneven year	VAh		
6436	double	RD	Apparent Energy, max. monthly value, dec., uneven year	VAh		
15000	int	RD	Active Energy L1, consumed	Wh		
15002	int	RD	Active Energy L2, consumed	Wh		
15004	int	RD	Active Energy L3, consumed	Wh		
15006	int	RD	Active Energy sum, consumed	Wh		
15008	int	RD	Active Energy L1, consumed, HT	Wh		
15010	int	RD	Active Energy L2, consumed, HT	Wh		
15012	int	RD	Active Energy L3, consumed, HT	Wh		
15014	int	RD	Active Energy sum, consumed, HT	Wh		
15016	int	RD	Active Energy L1, consumed, NT	Wh		
15018	int	RD	Active Energy L2, consumed, NT	Wh		
15020	int	RD	Active Energy L3, consumed, NT	Wh		
15022	int	RD	Active Energy sum, consumed, NT	Wh		
15024	int	RD	Apparent Energy L1	VAh		
15026	int	RD	Apparent Energy L2	VAh		
15028	int	RD	Apparent Energy L3	VAh		
15030	int	RD	Apparent Energy, total	VAh		
15032	int	RD	Apparent Energy L1, HT	VAh		
15034	int	RD	Apparent Energy L2, HT	VAh		
15036	int	RD	Apparent Energy L3, HT	VAh		
15038	int	RD	Apparent Energy, total, HT	VAh		
15040	int	RD	Apparent Energy L1, NT	VAh		
15042	int	RD	Apparent Energy L2, NT	VAh		
15044	int	RD	Apparent Energy L3, NT	VAh		
15046	int	RD	Apparent Energy, total, NT	VAh		
15048	int	RD	Reactive Energy L1, inductive	varh		
15050	int	RD	Reactive Energy L2, inductive	varh		
15052	int	RD	Reactive Energy L3, inductive	varh		
15054	int	RD	Reactive Energy sum, inductive	varh		
15056	int	RD	Reactive Energy L1, inductive, HT	varh		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
15058	int	RD	Reactive Energy L2, inductive, HT	varh		
15060	int	RD	Reactive Energy L3, inductive, HT	varh		
15062	int	RD	Reactive Energy, total, inductive, HT	varh		
15064	int	RD	Reactive Energy L1, inductive, NT	varh		
15066	int	RD	Reactive Energy L2, inductive, NT	varh		
15068	int	RD	Reactive Energy L3, inductive, NT	varh		
15070	int	RD	Reactive Energy, total, inductive, NT	varh		
15072	int	RD	Active Energy L1, delivered	Wh		
15074	int	RD	Active Energy L2, delivered	Wh		
15076	int	RD	Active Energy L3, delivered	Wh		
15078	int	RD	Active Energy sum, delivered	Wh		
15080	int	RD	Reactive Energy L1, capazitive	varh		
15082	int	RD	Reactive Energy L2, capazitive	varh		
15084	int	RD	Reactive Energy L3, capazitive	varh		
15086	int	RD	Reactive Energy sum, capazitive	varh		
15088	int	RD	Active Energy sum, without return travel block	Wh		
15090	int	RD	Reactive Energy sum, without return travel block	varh		
15092	int	RD	Reactive Energy L1, inductive, consumed	varh		
15094	int	RD	Reactive Energy L2, inductive, consumed	varh		
15096	int	RD	Reactive Energy L3, inductive, consumed	varh		
15098	int	RD	Reactive Energy sum, inductive, consumed	varh		
15100	int	RD	Reactive Energy L1, capazitive, consumed	varh		
15102	int	RD	Reactive Energy L2, capazitive, consumed	varh		
15104	int	RD	Reactive Energy L3, capazitive, consumed	varh		
15106	int	RD	Reactive Energy sum, capazitive, consumed	varh		
15108	int	RD	Reactive Energy L1, inductive, delivered	varh		
15110	int	RD	Reactive Energy L2, inductive, delivered	varh		
15112	int	RD	Reactive Energy L3, inductive, delivered	varh		
15114	int	RD	Reactive Energy sum, inductive, delivered	varh		
15116	int	RD	Reactive Energy L1, capazitive, delivered	varh		
15118	int	RD	Reactive Energy L2, capazitive, delivered	varh		
15120	int	RD	Reactive Energy L3, capazitive, delivered	varh		
15122	int	RD	Reactive Energy sum, capazitive, delivered	varh		
15124	int	RD	Active Energy (consumed), max. monthly value, jan., even year	Wh		
15126	int	RD	Active Energy (consumed), max. monthly value, feb., even year	Wh		
15128	int	RD	Active Energy (consumed), max. monthly value, mar., even year	Wh		
15130	int	RD	Active Energy (consumed), max. monthly value, apr., even year	Wh		
15132	int	RD	Active Energy (consumed), max. monthly value, may., even year	Wh		
15134	int	RD	Active Energy (consumed), max. monthly value, jun., even year	Wh		
15136	int	RD	Active Energy (consumed), max. monthly value, jul., even year	Wh		
15138	int	RD	Active Energy (consumed), max. monthly value, aug., even year	Wh		
15140	int	RD	Active Energy (consumed), max. monthly value, sep., even year	Wh		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
15142	int	RD	Active Energy (consumed), max. monthly value, oct., even year	Wh		
15144	int	RD	Active Energy (consumed), max. monthly value, nov., even year	Wh		
15146	int	RD	Active Energy (consumed), max. monthly value, dec., even year	Wh		
15148	int	RD	Active Energy (consumed), max. monthly value, jan., uneven year	Wh		
15150	int	RD	Active Energy (consumed), max. monthly value, feb., uneven year	Wh		
15152	int	RD	Active Energy (consumed), max. monthly value, mar., uneven year	Wh		
15154	int	RD	Active Energy (consumed), max. monthly value, apr., uneven year	Wh		
15156	int	RD	Active Energy (consumed), max. monthly value, may., uneven year	Wh		
15158	int	RD	Active Energy (consumed), max. monthly value, jun., uneven year	Wh		
15160	int	RD	Active Energy (consumed), max. monthly value, jul., uneven year	Wh		
15162	int	RD	Active Energy (consumed), max. monthly value, aug., uneven year	Wh		
15164	int	RD	Active Energy (consumed), max. monthly value, sep., uneven year	Wh		
15166	int	RD	Active Energy (consumed), max. monthly value, oct., uneven year	Wh		
15168	int	RD	Active Energy (consumed), max. monthly value, nov., uneven year	Wh		
15170	int	RD	Active Energy (consumed), max. monthly value, dec., uneven year	Wh		
15192	int	RD	Apparent Energy, max. monthly value, jan., even year	VAh		
15194	int	RD	Apparent Energy, max. monthly value, feb., even year	VAh		
15196	int	RD	Apparent Energy, max. monthly value, mar., even year	VAh		
15198	int	RD	Apparent Energy, max. monthly value, apr., even year	VAh		
15200	int	RD	Apparent Energy, max. monthly value, may., even year	VAh		
15202	int	RD	Apparent Energy, max. monthly value, jun., even year	VAh		
15204	int	RD	Apparent Energy, max. monthly value, jul., even year	VAh		
15206	int	RD	Apparent Energy, max. monthly value, aug., even year	VAh		
15208	int	RD	Apparent Energy, max. monthly value, sep., even year	VAh		
15210	int	RD	Apparent Energy, max. monthly value, oct., even year	VAh		
15212	int	RD	Apparent Energy, max. monthly value, nov., even year	VAh		
15214	int	RD	Apparent Energy, max. monthly value, dec., even year	VAh		
15216	int	RD	Apparent Energy, max. monthly value, jan., uneven year	VAh		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
15218	int	RD	Apparent Energy, max. monthly value, feb., uneven year	VAh		
15220	int	RD	Apparent Energy, max. monthly value, mar., uneven year	VAh		
15222	int	RD	Apparent Energy, max. monthly value, apr., uneven year	VAh		
15224	int	RD	Apparent Energy, max. monthly value, may., uneven year	VAh		
15226	int	RD	Apparent Energy, max. monthly value, jun., uneven year	VAh		
15228	int	RD	Apparent Energy, max. monthly value, jul., uneven year	VAh		
15230	int	RD	Apparent Energy, max. monthly value, aug., uneven year	VAh		
15232	int	RD	Apparent Energy, max. monthly value, sep., uneven year	VAh		
15234	int	RD	Apparent Energy, max. monthly value, oct., uneven year	VAh		
15236	int	RD	Apparent Energy, max. monthly value, nov., uneven year	VAh		
15238	int	RD	Apparent Energy, max. monthly value, dec., uneven year	VAh		
15240	int	RD	Reactive Energy (ind.), max. monthly value, jan., even year	varh		
15242	int	RD	Reactive Energy (ind.), max. monthly value, feb., even year	varh		
15244	int	RD	Reactive Energy (ind.), max. monthly value, mar., even year	varh		
15246	int	RD	Reactive Energy (ind.), max. monthly value, apr., even year	varh		
15248	int	RD	Reactive Energy (ind.), max. monthly value, may., even year	varh		
15250	int	RD	Reactive Energy (ind.), max. monthly value, jun., even year	varh		
15252	int	RD	Reactive Energy (ind.), max. monthly value, jul., even year	varh		
15254	int	RD	Reactive Energy (ind.), max. monthly value, aug., even year	varh		
15256	int	RD	Reactive Energy (ind.), max. monthly value, sep., even year	varh		
15258	int	RD	Reactive Energy (ind.), max. monthly value, oct., even year	varh		
15260	int	RD	Reactive Energy (ind.), max. monthly value, nov., even year	varh		
15262	int	RD	Reactive Energy (ind.), max. monthly value, dec., even year	varh		
15264	int	RD	Reactive Energy (ind.), max. monthly value, jan., uneven year	varh		
15266	int	RD	Reactive Energy (ind.), max. monthly value, feb., uneven year	varh		
15268	int	RD	Reactive Energy (ind.), max. monthly value, mar., uneven year	varh		
15270	int	RD	Reactive Energy (ind.), max. monthly value, apr., uneven year	varh		
15272	int	RD	Reactive Energy (ind.), max. monthly value, may., uneven year	varh		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
15274	int	RD	Reactive Energy (ind.), max. monthly value, jun., uneven year	varh		
15276	int	RD	Reactive Energy (ind.), max. monthly value, jul., uneven year	varh		
15278	int	RD	Reactive Energy (ind.), max. monthly value, aug., uneven year	varh		
15280	int	RD	Reactive Energy (ind.), max. monthly value, sep., uneven year	varh		
15282	int	RD	Reactive Energy (ind.), max. monthly value, oct., uneven year	varh		
15284	int	RD	Reactive Energy (ind.), max. monthly value, nov., uneven year	varh		
15286	int	RD	Reactive Energy (ind.), max. monthly value, dec., uneven year	varh		

Digitale Ein- und Ausgänge

806	short	RD/WR	Trigger a power quality event by 806=1		0	1
30046	short	RD/WR	Function of digital input 1: 0 = S0 input (pulse counter) 1 = Tariff switch HT/NT 5 = Event trigger (PQ series only) - Rising edge 6 =Event trigger (PQ series only) - Falling Flank 7 = Event trigger (PQ series only) - Alternating flank		0	7
30047	short	RD/WR	Function of digital input 2: 0 = S0 input (pulse counter) 1 = Clock sync - minutes 3 = Clock sync - hours 5 = Event trigger (PQ series only) - Rising edge 6 = Event trigger (PQ series only) - Falling flank 7 = Event trigger (PQ series only) - Alternating flank			
30048	short	RD/WR	Function of digital input 3: 0 = S0 input (pulse counter) 4 = Drag indicator synchronisation 5 = Event triger (PQ series only) - Rising edge 6 = Event trigger (PQ series only) - Falling flank 7 = Event trigger - Alternating flank		0	7
30400	short	RD	Digital I/O: status digital Input 1			
30401	short	RD	Digital I/O: status digital Input 2			
30402	short	RD	Digital I/O: status digital Input 3			
30406	short	RD	Digital I/O: status digital Output 1			
30407	short	RD	Digital I/O: status digital Output 2			
30408	short	RD	Digital I/O: status digital Output 3			
30409	short	RD/WR	Digital I/O: setting output 1		0	1
30410	short	RD/WR	Digital I/O: setting output 2		0	1
30411	short	RD/WR	Digital I/O: setting output 3		0	1
30412	float	RD	Digital I/O: power values S0 input 1			
30414	float	RD	Digital I/O: power values S0 input 2			
30416	float	RD	Digital I/O: power values S0 input 3			
30418	long64	RD/WR	Digital I/O: pulse counter, input 1		0	3.403 e+38
30422	long64	RD/WR	Digital I/O: pulse counter, input 2		0	3.403 e+38
30426	long64	RD/WR	Digital I/O: pulse counter, input 3		0	3.403 e+38

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
30430	int	RD	Digital I/O: pulse counter, input 1			
30432	int	RD	Digital I/O: pulse counter, input 2			
30434	int	RD	Digital I/O: pulse counter, input 3			
30436	double	RD	Digital I/O: pulse count x scaling, input 1			
30440	double	RD	Digital I/O: pulse count x scaling, input 2			
30444	double	RD	Digital I/O: pulse count x scaling, input 3			
30448	float	RD	Digital I/O: pulse count x scaling, input 1			
30450	float	RD	Digital I/O: pulse count x scaling, input 2			
30452	float	RD	Digital I/O: pulse count x scaling, input 3			
30565	long64	RD	Digital I/O: UTC timestamp, event 1, input 1	s		
30569	long64	RD	Digital I/O: UTC timestamp, event 1, input 2	s		
30573	long64	RD	Digital I/O: UTC timestamp, event 1, input 3	s		
30577	short	RD	Digital I/O: status, event 1, input 1 (0=off, 1=on)			
30578	short	RD	Digital I/O: status, event 1, input 2 (0=off, 1=on)			
30579	short	RD	Digital I/O: status, event 1, input 3 (0=off, 1=on)			
30580	long64	RD	Digital I/O: UTC timestamp, event 2, input 1	s		
30584	long64	RD	Digital I/O: UTC timestamp, event 2, input 2	s		
30588	long64	RD	Digital I/O: UTC timestamp, event 2, input 3	s		
30592	short	RD	Digital I/O: status, event 2, input 1 (0=off, 1=on)			
30593	short	RD	Digital I/O: status, event 2, input 2 (0=off, 1=on)			
30594	short	RD	Digital I/O: status, event 2, input 3 (0=off, 1=on)			
30595	long64	RD	Digital I/O: UTC timestamp, event 3, input 1	s		
30599	long64	RD	Digital I/O: UTC timestamp, event 3, input 2	s		
30603	long64	RD	Digital I/O: UTC timestamp, event 3, input 3	s		
30607	short	RD	Digital I/O: status, event 3, input 1 (0=off, 1=on)			
30608	short	RD	Digital I/O: status, event 3, input 2 (0=off, 1=on)			
30609	short	RD	Digital I/O: status, event 3, input 3 (0=off, 1=on)			
30610	long64	RD	Digital I/O: UTC timestamp, event 4, input 1	s		
30614	long64	RD	Digital I/O: UTC timestamp, event 4, input 2	s		
30618	long64	RD	Digital I/O: UTC timestamp, event 4, input 3	s		
30622	short	RD	Digital I/O: status, event 4, input 1 (0=off, 1=on)			
30623	short	RD	Digital I/O: status, event 4, input 2 (0=off, 1=on)			
30624	short	RD	Digital I/O: status, event 4, input 3 (0=off, 1=on)			
30625	long64	RD	Digital I/O: UTC timestamp, event 5, input 1	s		
30629	long64	RD	Digital I/O: UTC timestamp, event 5, input 2	s		
30633	long64	RD	Digital I/O: UTC timestamp, event 5, input 3	s		
30637	short	RD	Digital I/O: status, event 5, input 1 (0=off, 1=on)			
30638	short	RD	Digital I/O: status, event 5, input 2 (0=off, 1=on)			
30639	short	RD	Digital I/O: status, event 5, input 3 (0=off, 1=on)			
30640	long64	RD	Digital I/O: UTC timestamp, event 6, input 1	s		
30644	long64	RD	Digital I/O: UTC timestamp, event 6, input 2	s		
30648	long64	RD	Digital I/O: UTC timestamp, event 6, input 3	s		
30652	short	RD	Digital I/O: status, event 6, input 1 (0=off, 1=on)			
30653	short	RD	Digital I/O: status, event 6, input 2 (0=off, 1=on)			
30654	short	RD	Digital I/O: status, event 6, input 3 (0=off, 1=on)			
30655	long64	RD	Digital I/O: UTC timestamp, event 7, input 1	s		
30659	long64	RD	Digital I/O: UTC timestamp, event 7, input 2	s		
30663	long64	RD	Digital I/O: UTC timestamp, event 7, input 3	s		
30667	short	RD	Digital I/O: status, event 7, input 1 (0=off, 1=on)			

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
30668	short	RD	Digital I/O: status, event 7, input 2 (0=off, 1=on)			
30669	short	RD	Digital I/O: status, event 7, input 3 (0=off, 1=on)			
30670	long64	RD	Digital I/O: UTC timestamp, event 8, input 1	s		
30674	long64	RD	Digital I/O: UTC timestamp, event 8, input 2	s		
30678	long64	RD	Digital I/O: UTC timestamp, event 8, input 3	s		
30682	short	RD	Digital I/O: status, event 8, input 1 (0=off, 1=on)			
30683	short	RD	Digital I/O: status, event 8, input 2 (0=off, 1=on)			
30684	short	RD	Digital I/O: status, event 8, input 3 (0=off, 1=on)			
30685	long64	RD	Digital I/O: UTC timestamp, event 9, input 1	s		
30689	long64	RD	Digital I/O: UTC timestamp, event 9, input 2	s		
30693	long64	RD	Digital I/O: UTC timestamp, event 9, input 3	s		
30697	short	RD	Digital I/O: status, event 9, input 1 (0=off, 1=on)			
30698	short	RD	Digital I/O: status, event 9, input 2 (0=off, 1=on)			
30699	short	RD	Digital I/O: status, event 9, input 3 (0=off, 1=on)			
30700	long64	RD	Digital I/O: UTC timestamp, event 10, input 1	s		
30704	long64	RD	Digital I/O: UTC timestamp, event 10, input 2	s		
30708	long64	RD	Digital I/O: UTC timestamp, event 10, input 3	s		
30712	short	RD	Digital I/O: status, event 10, input 1 (0=off, 1=on)			
30713	short	RD	Digital I/O: status, event 10, input 2 (0=off, 1=on)			
30714	short	RD	Digital I/O: status, event 10, input 3 (0=off, 1=on)			
30715	long64	RD	Digital I/O: UTC timestamp, event 11, input 1	s		
30719	long64	RD	Digital I/O: UTC timestamp, event 11, input 2	s		
30723	long64	RD	Digital I/O: UTC timestamp, event 11, input 3	s		
30727	short	RD	Digital I/O: status, event 11, input 1 (0=off, 1=on)			
30728	short	RD	Digital I/O: status, event 11, input 2 (0=off, 1=on)			
30729	short	RD	Digital I/O: status, event 11, input 3 (0=off, 1=on)			
30730	long64	RD	Digital I/O: UTC timestamp, event 12, input 1	s		
30734	long64	RD	Digital I/O: UTC timestamp, event 12, input 2	s		
30738	long64	RD	Digital I/O: UTC timestamp, event 12, input 3	s		
30742	short	RD	Digital I/O: status, event 12, input 1 (0=off, 1=on)			
30743	short	RD	Digital I/O: status, event 12, input 2 (0=off, 1=on)			
30744	short	RD	Digital I/O: status, event 12, input 3 (0=off, 1=on)			
30745	long64	RD	Digital I/O: UTC timestamp, event 13, input 1	s		
30749	long64	RD	Digital I/O: UTC timestamp, event 13, input 2	s		
30753	long64	RD	Digital I/O: UTC timestamp, event 13, input 3	s		
30757	short	RD	Digital I/O: status, event 13, input 1 (0=off, 1=on)			
30758	short	RD	Digital I/O: status, event 13, input 2 (0=off, 1=on)			
30759	short	RD	Digital I/O: status, event 13, input 3 (0=off, 1=on)			
30760	long64	RD	Digital I/O: UTC timestamp, event 14, input 1	s		
30764	long64	RD	Digital I/O: UTC timestamp, event 14, input 2	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
30768	long64	RD	Digital I/O: UTC timestamp, event 14, input 3	s		
30772	short	RD	Digital I/O: status, event 14, input 1 (0=off, 1=on)			
30773	short	RD	Digital I/O: status, event 14, input 2 (0=off, 1=on)			
30774	short	RD	Digital I/O: status, event 14, input 3 (0=off, 1=on)			
30775	long64	RD	Digital I/O: UTC timestamp, event 15, input 1	s		
30779	long64	RD	Digital I/O: UTC timestamp, event 15, input 2	s		
30783	long64	RD	Digital I/O: UTC timestamp, event 15, input 3	s		
30787	short	RD	Digital I/O: status, event 15, input 1 (0=off, 1=on)			
30788	short	RD	Digital I/O: status, event 15, input 2 (0=off, 1=on)			
30789	short	RD	Digital I/O: status, event 15, input 3 (0=off, 1=on)			
30790	long64	RD	Digital I/O: UTC timestamp, event 16, input 1	s		
30794	long64	RD	Digital I/O: UTC timestamp, event 16, input 2	s		
30798	long64	RD	Digital I/O: UTC timestamp, event 16, input 3	s		
30802	short	RD	Digital I/O: status, event 16, input 1 (0=off, 1=on)			
30803	short	RD	Digital I/O: status, event 16, input 2 (0=off, 1=on)			
30804	short	RD	Digital I/O: status, event 16, input 3 (0=off, 1=on)			

Vergleichergruppen

32500	char	RD	PQ-L series: comparator group 1 comparator A			
32501	char	RD	PQ-L series: comparator group 1 comparator B			
32502	char	RD	PQ-L series: comparator group 1 comparator C			
32503	char	RD	PQ-L series: comparator group 1 comparator D			
32504	char	RD	PQ-L series: comparator group 1 comparator E			
32505	char	RD	PQ-L series: comparator group 1 comparator F			
32506	char	RD	PQ-L series: comparator group 1 comparator G			
32507	char	RD	PQ-L series: comparator group 1 comparator H			
32508	char	RD	PQ-L series: comparator group 1 comparator I			
32509	char	RD	PQ-L series: comparator group 1 comparator J			
32510	char	RD	PQ-L series: comparator group 1 group comparator 1			
32511	char	RD	PQ-L series: comparator group 2 comparator A			
32512	char	RD	PQ-L series: comparator group 2 comparator B			
32513	char	RD	PQ-L series: comparator group 2 comparator C			
32514	char	RD	PQ-L series: comparator group 2 comparator D			
32515	char	RD	PQ-L series: comparator group 2 comparator E			
32516	char	RD	PQ-L series: comparator group 2 comparator F			
32517	char	RD	PQ-L series: comparator group 2 comparator G			
32518	char	RD	PQ-L series: comparator group 2 comparator H			
32519	char	RD	PQ-L series: comparator group 2 comparator I			
32520	char	RD	PQ-L series: comparator group 2 comparator J			

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
32521	char	RD	PQ-L series: comparator group 2 group comparator 2			
32522	char	RD	PQ-L series: comparator group 3 comparator A			
32523	char	RD	PQ-L series: comparator group 3 comparator B			
32524	char	RD	PQ-L series: comparator group 3 comparator C			
32525	char	RD	PQ-L series: comparator group 3 comparator D			
32526	char	RD	PQ-L series: comparator group 3 comparator E			
32527	char	RD	PQ-L series: comparator group 3 comparator F			
32528	char	RD	PQ-L series: comparator group 3 comparator G			
32529	char	RD	PQ-L series: comparator group 3 comparator H			
32530	char	RD	PQ-L series: comparator group 3 comparator I			
32531	char	RD	PQ-L series: comparator group 3 comparator J			
32532	char	RD	PQ-L series: comparator group 3 group comparator 3			
32533	char	RD	PQ-L series: comparator group 4 comparator A			
32534	char	RD	PQ-L series: comparator group 4 comparator B			
32535	char	RD	PQ-L series: comparator group 4 comparator C			
32536	char	RD	PQ-L series: comparator group 4 comparator D			
32537	char	RD	PQ-L series: comparator group 4 comparator E			
32538	char	RD	PQ-L series: comparator group 4 comparator F			
32539	char	RD	PQ-L series: comparator group 4 comparator G			
32540	char	RD	PQ-L series: comparator group 4 comparator H			
32541	char	RD	PQ-L series: comparator group 4 comparator I			
32542	char	RD	PQ-L series: comparator group 4 comparator J			
32543	char	RD	PQ-L series: comparator group 4 group comparator 4			
32544	char	RD	PQ-L series: comparator group 5 comparator A			
32545	char	RD	PQ-L series: comparator group 5 comparator B			
32546	char	RD	PQ-L series: comparator group 5 comparator C			
32547	char	RD	PQ-L series: comparator group 5 comparator D			
32548	char	RD	PQ-L series: comparator group 5 comparator E			
32549	char	RD	PQ-L series: comparator group 5 comparator F			
32550	char	RD	PQ-L series: comparator group 5 comparator G			
32551	char	RD	PQ-L series: comparator group 5 comparator H			
32552	char	RD	PQ-L series: comparator group 5 comparator I			
32553	char	RD	PQ-L series: comparator group 5 comparator J			
32554	char	RD	PQ-L series: comparator group 5 group comparator 5			

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max

Ereignisse, letztes Ereignis über Modbus auslesen

16643	ushort	RD	Last event phase (consider together with 16644): 0= Phase 1 (U or I), DigIn 1, Modbus event, 1= Phase 2 (U or I), DigIn 2 2= Phase 3 (U or I), DigIn 3 3= Multievent: At least in 2 phases for U and I events. With a frequency event, all 3 phases are always affected. 4= Event I4 5= Event I5 6= Event I6 If the device does not have an event, a 0 is displayed here.			
16644	short	RD	Event type: -1= No event 0= IMAX_EVENT - Overcurrent 1= UMAX_EVENT - Overvoltage 2= UMIN_EVENT - Undervoltage 3= UOFF_EVENT - Voltage interruption 4= EXT_DIGIN - External event (dig. input) 5= EXT_MODBUS - External event (Modbus) 6= RVC_EVENT - Fast voltage change 7= FREQ_OVER_EVENT - Overfrequency 8= FREQ_UNDER_EVENT - Underfrequency 9= IMAX_RCM_EVENT - Overcurrent event in the analog RCM inputs (only in meters with module)			
16645	ulong64	RD	Event start time, UTC timestamp (resolution in ns) 0= no event			
16649	uint	RD	Event duration (end time - start time in ns), 0= Event type EXT_DIGIN or EXT_MODBUS (external events do not have an end time) 0= No events (with simultaneous „Value -1 = No event“ for the event type)			
16651	float	RD	Measured value of the event 0= Event type EXT_DIGIN and EXT_MODBUS (external events do not have any measured values) -1= No event			

Fourieranalyse, Messwerte

1058	float	RD	Fourier analysis: 1. harmonic voltage L1	V
1060	float	RD	Fourier analysis: 3. harmonic voltage L1	V
1062	float	RD	Fourier analysis: 5. harmonic voltage L1	V
1064	float	RD	Fourier analysis: 7. harmonic voltage L1	V
1066	float	RD	Fourier analysis: 9. harmonic voltage L1	V
1068	float	RD	Fourier analysis: 11. harmonic voltage L1	V
1070	float	RD	Fourier analysis: 13. harmonic voltage L1	V
1072	float	RD	Fourier analysis: 15. harmonic voltage L1	V
1074	float	RD	Fourier analysis: 17. harmonic voltage L1	V
1076	float	RD	Fourier analysis: 19. harmonic voltage L1	V
1078	float	RD	Fourier analysis: 21. harmonic voltage L1	V
1080	float	RD	Fourier analysis: 23. harmonic voltage L1	V
1082	float	RD	Fourier analysis: 25. harmonic voltage L1	V

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
1084	float	RD	Fourier analysis: 1. harmonic voltage L2	V		
1086	float	RD	Fourier analysis: 3. harmonic voltage L2	V		
1088	float	RD	Fourier analysis: 5. harmonic voltage L2	V		
1090	float	RD	Fourier analysis: 7. harmonic voltage L2	V		
1092	float	RD	Fourier analysis: 9. harmonic voltage L2	V		
1094	float	RD	Fourier analysis: 11. harmonic voltage L2	V		
1096	float	RD	Fourier analysis: 13. harmonic voltage L2	V		
1098	float	RD	Fourier analysis: 15. harmonic voltage L2	V		
1100	float	RD	Fourier analysis: 17. harmonic voltage L2	V		
1102	float	RD	Fourier analysis: 19. harmonic voltage L2	V		
1104	float	RD	Fourier analysis: 21. harmonic voltage L2	V		
1106	float	RD	Fourier analysis: 23. harmonic voltage L2	V		
1108	float	RD	Fourier analysis: 25. harmonic voltage L2	V		
1110	float	RD	Fourier analysis: 1. harmonic voltage L3	V		
1112	float	RD	Fourier analysis: 3. harmonic voltage L3	V		
1114	float	RD	Fourier analysis: 5. harmonic voltage L3	V		
1116	float	RD	Fourier analysis: 7. harmonic voltage L3	V		
1118	float	RD	Fourier analysis: 9. harmonic voltage L3	V		
1120	float	RD	Fourier analysis: 11. harmonic voltage L3	V		
1122	float	RD	Fourier analysis: 13. harmonic voltage L3	V		
1124	float	RD	Fourier analysis: 15. harmonic voltage L3	V		
1126	float	RD	Fourier analysis: 17. harmonic voltage L3	V		
1128	float	RD	Fourier analysis: 19. harmonic voltage L3	V		
1130	float	RD	Fourier analysis: 21. harmonic voltage L3	V		
1132	float	RD	Fourier analysis: 23. harmonic voltage L3	V		
1134	float	RD	Fourier analysis: 25. harmonic voltage L3	V		
1136	float	RD	Fourier analysis: 1. harmonic current L1	A		
1138	float	RD	Fourier analysis: 3. harmonic current L1	A		
1140	float	RD	Fourier analysis: 5. harmonic current L1	A		
1142	float	RD	Fourier analysis: 7. harmonic current L1	A		
1144	float	RD	Fourier analysis: 9. harmonic current L1	A		
1146	float	RD	Fourier analysis: 11. harmonic current L1	A		
1148	float	RD	Fourier analysis: 13. harmonic current L1	A		
1150	float	RD	Fourier analysis: 15. harmonic current L1	A		
1152	float	RD	Fourier analysis: 17. harmonic current L1	A		
1154	float	RD	Fourier analysis: 19. harmonic current L1	A		
1156	float	RD	Fourier analysis: 21. harmonic current L1	A		
1158	float	RD	Fourier analysis: 23. harmonic current L1	A		
1160	float	RD	Fourier analysis: 25. harmonic current L1	A		
1162	float	RD	Fourier analysis: 1. harmonic current L2	A		
1164	float	RD	Fourier analysis: 3. harmonic current L2	A		
1166	float	RD	Fourier analysis: 5. harmonic current L2	A		
1168	float	RD	Fourier analysis: 7. harmonic current L2	A		
1170	float	RD	Fourier analysis: 9. harmonic current L2	A		
1172	float	RD	Fourier analysis: 11. harmonic current L2	A		
1174	float	RD	Fourier analysis: 13. harmonic current L2	A		
1176	float	RD	Fourier analysis: 15. harmonic current L2	A		
1178	float	RD	Fourier analysis: 17. harmonic current L2	A		
1180	float	RD	Fourier analysis: 19. harmonic current L2	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
1182	float	RD	Fourier analysis: 21. harmonic current L2	A		
1184	float	RD	Fourier analysis: 23. harmonic current L2	A		
1186	float	RD	Fourier analysis: 25. harmonic current L2	A		
1188	float	RD	Fourier analysis: 1. harmonic current L3	A		
1190	float	RD	Fourier analysis: 3. harmonic current L3	A		
1192	float	RD	Fourier analysis: 5. harmonic current L3	A		
1194	float	RD	Fourier analysis: 7. harmonic current L3	A		
1196	float	RD	Fourier analysis: 9. harmonic current L3	A		
1198	float	RD	Fourier analysis: 11. harmonic current L3	A		
1200	float	RD	Fourier analysis: 13. harmonic current L3	A		
1202	float	RD	Fourier analysis: 15. harmonic current L3	A		
1204	float	RD	Fourier analysis: 17. harmonic current L3	A		
1206	float	RD	Fourier analysis: 19. harmonic current L3	A		
1208	float	RD	Fourier analysis: 21. harmonic current L3	A		
1210	float	RD	Fourier analysis: 23. harmonic current L3	A		
1212	float	RD	Fourier analysis: 25. harmonic current L3	A		
8000	float	RD	Fourier analysis: 1. harmonic voltage L1	V		
8002	float	RD	Fourier analysis: 2. harmonic voltage L1	V		
8004	float	RD	Fourier analysis: 3. harmonic voltage L1	V		
8006	float	RD	Fourier analysis: 4. harmonic voltage L1	V		
8008	float	RD	Fourier analysis: 5. harmonic voltage L1	V		
8010	float	RD	Fourier analysis: 6. harmonic voltage L1	V		
8012	float	RD	Fourier analysis: 7. harmonic voltage L1	V		
8014	float	RD	Fourier analysis: 8. harmonic voltage L1	V		
8016	float	RD	Fourier analysis: 9. harmonic voltage L1	V		
8018	float	RD	Fourier analysis: 10. harmonic voltage L1	V		
8020	float	RD	Fourier analysis: 11. harmonic voltage L1	V		
8022	float	RD	Fourier analysis: 12. harmonic voltage L1	V		
8024	float	RD	Fourier analysis: 13. harmonic voltage L1	V		
8026	float	RD	Fourier analysis: 14. harmonic voltage L1	V		
8028	float	RD	Fourier analysis: 15. harmonic voltage L1	V		
8030	float	RD	Fourier analysis: 16. harmonic voltage L1	V		
8032	float	RD	Fourier analysis: 17. harmonic voltage L1	V		
8034	float	RD	Fourier analysis: 18. harmonic voltage L1	V		
8036	float	RD	Fourier analysis: 19. harmonic voltage L1	V		
8038	float	RD	Fourier analysis: 20. harmonic voltage L1	V		
8040	float	RD	Fourier analysis: 21. harmonic voltage L1	V		
8042	float	RD	Fourier analysis: 22. harmonic voltage L1	V		
8044	float	RD	Fourier analysis: 23. harmonic voltage L1	V		
8046	float	RD	Fourier analysis: 24. harmonic voltage L1	V		
8048	float	RD	Fourier analysis: 25. harmonic voltage L1	V		
8050	float	RD	Fourier analysis: 26. harmonic voltage L1	V		
8052	float	RD	Fourier analysis: 27. harmonic voltage L1	V		
8054	float	RD	Fourier analysis: 28. harmonic voltage L1	V		
8056	float	RD	Fourier analysis: 29. harmonic voltage L1	V		
8058	float	RD	Fourier analysis: 30. harmonic voltage L1	V		
8060	float	RD	Fourier analysis: 31. harmonic voltage L1	V		
8062	float	RD	Fourier analysis: 32. harmonic voltage L1	V		
8064	float	RD	Fourier analysis: 33. harmonic voltage L1	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8066	float	RD	Fourier analysis: 34. harmonic voltage L1	V		
8068	float	RD	Fourier analysis: 35. harmonic voltage L1	V		
8070	float	RD	Fourier analysis: 36. harmonic voltage L1	V		
8072	float	RD	Fourier analysis: 37. harmonic voltage L1	V		
8074	float	RD	Fourier analysis: 38. harmonic voltage L1	V		
8076	float	RD	Fourier analysis: 39. harmonic voltage L1	V		
8078	float	RD	Fourier analysis: 40. harmonic voltage L1	V		
8080	float	RD	Fourier analysis: 1. harmonic voltage L2	V		
8082	float	RD	Fourier analysis: 2. harmonic voltage L2	V		
8084	float	RD	Fourier analysis: 3. harmonic voltage L2	V		
8086	float	RD	Fourier analysis: 4. harmonic voltage L2	V		
8088	float	RD	Fourier analysis: 5. harmonic voltage L2	V		
8090	float	RD	Fourier analysis: 6. harmonic voltage L2	V		
8092	float	RD	Fourier analysis: 7. harmonic voltage L2	V		
8094	float	RD	Fourier analysis: 8. harmonic voltage L2	V		
8096	float	RD	Fourier analysis: 9. harmonic voltage L2	V		
8098	float	RD	Fourier analysis: 10. harmonic voltage L2	V		
8100	float	RD	Fourier analysis: 11. harmonic voltage L2	V		
8102	float	RD	Fourier analysis: 12. harmonic voltage L2	V		
8104	float	RD	Fourier analysis: 13. harmonic voltage L2	V		
8106	float	RD	Fourier analysis: 14. harmonic voltage L2	V		
8108	float	RD	Fourier analysis: 15. harmonic voltage L2	V		
8110	float	RD	Fourier analysis: 16. harmonic voltage L2	V		
8112	float	RD	Fourier analysis: 17. harmonic voltage L2	V		
8114	float	RD	Fourier analysis: 18. harmonic voltage L2	V		
8116	float	RD	Fourier analysis: 19. harmonic voltage L2	V		
8118	float	RD	Fourier analysis: 20. harmonic voltage L2	V		
8120	float	RD	Fourier analysis: 21. harmonic voltage L2	V		
8122	float	RD	Fourier analysis: 22. harmonic voltage L2	V		
8124	float	RD	Fourier analysis: 23. harmonic voltage L2	V		
8126	float	RD	Fourier analysis: 24. harmonic voltage L2	V		
8128	float	RD	Fourier analysis: 25. harmonic voltage L2	V		
8130	float	RD	Fourier analysis: 26. harmonic voltage L2	V		
8132	float	RD	Fourier analysis: 27. harmonic voltage L2	V		
8134	float	RD	Fourier analysis: 28. harmonic voltage L2	V		
8136	float	RD	Fourier analysis: 29. harmonic voltage L2	V		
8138	float	RD	Fourier analysis: 30. harmonic voltage L2	V		
8140	float	RD	Fourier analysis: 31. harmonic voltage L2	V		
8142	float	RD	Fourier analysis: 32. harmonic voltage L2	V		
8144	float	RD	Fourier analysis: 33. harmonic voltage L2	V		
8146	float	RD	Fourier analysis: 34. harmonic voltage L2	V		
8148	float	RD	Fourier analysis: 35. harmonic voltage L2	V		
8150	float	RD	Fourier analysis: 36. harmonic voltage L2	V		
8152	float	RD	Fourier analysis: 37. harmonic voltage L2	V		
8154	float	RD	Fourier analysis: 38. harmonic voltage L2	V		
8156	float	RD	Fourier analysis: 39. harmonic voltage L2	V		
8158	float	RD	Fourier analysis: 40. harmonic voltage L2	V		
8160	float	RD	Fourier analysis: 1. harmonic voltage L3	V		
8162	float	RD	Fourier analysis: 2. harmonic voltage L3	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8164	float	RD	Fourier analysis: 3. harmonic voltage L3	V		
8166	float	RD	Fourier analysis: 4. harmonic voltage L3	V		
8168	float	RD	Fourier analysis: 5. harmonic voltage L3	V		
8170	float	RD	Fourier analysis: 6. harmonic voltage L3	V		
8172	float	RD	Fourier analysis: 7. harmonic voltage L3	V		
8174	float	RD	Fourier analysis: 8. harmonic voltage L3	V		
8176	float	RD	Fourier analysis: 9. harmonic voltage L3	V		
8178	float	RD	Fourier analysis: 10. harmonic voltage L3	V		
8180	float	RD	Fourier analysis: 11. harmonic voltage L3	V		
8182	float	RD	Fourier analysis: 12. harmonic voltage L3	V		
8184	float	RD	Fourier analysis: 13. harmonic voltage L3	V		
8186	float	RD	Fourier analysis: 14. harmonic voltage L3	V		
8188	float	RD	Fourier analysis: 15. harmonic voltage L3	V		
8190	float	RD	Fourier analysis: 16. harmonic voltage L3	V		
8192	float	RD	Fourier analysis: 17. harmonic voltage L3	V		
8194	float	RD	Fourier analysis: 18. harmonic voltage L3	V		
8196	float	RD	Fourier analysis: 19. harmonic voltage L3	V		
8198	float	RD	Fourier analysis: 20. harmonic voltage L3	V		
8200	float	RD	Fourier analysis: 21. harmonic voltage L3	V		
8202	float	RD	Fourier analysis: 22. harmonic voltage L3	V		
8204	float	RD	Fourier analysis: 23. harmonic voltage L3	V		
8206	float	RD	Fourier analysis: 24. harmonic voltage L3	V		
8208	float	RD	Fourier analysis: 25. harmonic voltage L3	V		
8210	float	RD	Fourier analysis: 26. harmonic voltage L3	V		
8212	float	RD	Fourier analysis: 27. harmonic voltage L3	V		
8214	float	RD	Fourier analysis: 28. harmonic voltage L3	V		
8216	float	RD	Fourier analysis: 29. harmonic voltage L3	V		
8218	float	RD	Fourier analysis: 30. harmonic voltage L3	V		
8220	float	RD	Fourier analysis: 31. harmonic voltage L3	V		
8222	float	RD	Fourier analysis: 32. harmonic voltage L3	V		
8224	float	RD	Fourier analysis: 33. harmonic voltage L3	V		
8226	float	RD	Fourier analysis: 34. harmonic voltage L3	V		
8228	float	RD	Fourier analysis: 35. harmonic voltage L3	V		
8230	float	RD	Fourier analysis: 36. harmonic voltage L3	V		
8232	float	RD	Fourier analysis: 37. harmonic voltage L3	V		
8234	float	RD	Fourier analysis: 38. harmonic voltage L3	V		
8236	float	RD	Fourier analysis: 39. harmonic voltage L3	V		
8238	float	RD	Fourier analysis: 40. harmonic voltage L3	V		
8240	float	RD	Fourier analysis: 1. harmonic current L1	A		
8242	float	RD	Fourier analysis: 2. harmonic current L1	A		
8244	float	RD	Fourier analysis: 3. harmonic current L1	A		
8246	float	RD	Fourier analysis: 4. harmonic current L1	A		
8248	float	RD	Fourier analysis: 5. harmonic current L1	A		
8250	float	RD	Fourier analysis: 6. harmonic current L1	A		
8252	float	RD	Fourier analysis: 7. harmonic current L1	A		
8254	float	RD	Fourier analysis: 8. harmonic current L1	A		
8256	float	RD	Fourier analysis: 9. harmonic current L1	A		
8258	float	RD	Fourier analysis: 10. harmonic current L1	A		
8260	float	RD	Fourier analysis: 11. harmonic current L1	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8262	float	RD	Fourier analysis: 12. harmonic current L1	A		
8264	float	RD	Fourier analysis: 13. harmonic current L1	A		
8266	float	RD	Fourier analysis: 14. harmonic current L1	A		
8268	float	RD	Fourier analysis: 15. harmonic current L1	A		
8270	float	RD	Fourier analysis: 16. harmonic current L1	A		
8272	float	RD	Fourier analysis: 17. harmonic current L1	A		
8274	float	RD	Fourier analysis: 18. harmonic current L1	A		
8276	float	RD	Fourier analysis: 19. harmonic current L1	A		
8278	float	RD	Fourier analysis: 20. harmonic current L1	A		
8280	float	RD	Fourier analysis: 21. harmonic current L1	A		
8282	float	RD	Fourier analysis: 22. harmonic current L1	A		
8284	float	RD	Fourier analysis: 23. harmonic current L1	A		
8286	float	RD	Fourier analysis: 24. harmonic current L1	A		
8288	float	RD	Fourier analysis: 25. harmonic current L1	A		
8290	float	RD	Fourier analysis: 26. harmonic current L1	A		
8292	float	RD	Fourier analysis: 27. harmonic current L1	A		
8294	float	RD	Fourier analysis: 28. harmonic current L1	A		
8296	float	RD	Fourier analysis: 29. harmonic current L1	A		
8298	float	RD	Fourier analysis: 30. harmonic current L1	A		
8300	float	RD	Fourier analysis: 31. harmonic current L1	A		
8302	float	RD	Fourier analysis: 32. harmonic current L1	A		
8304	float	RD	Fourier analysis: 33. harmonic current L1	A		
8306	float	RD	Fourier analysis: 34. harmonic current L1	A		
8308	float	RD	Fourier analysis: 35. harmonic current L1	A		
8310	float	RD	Fourier analysis: 36. harmonic current L1	A		
8312	float	RD	Fourier analysis: 37. harmonic current L1	A		
8314	float	RD	Fourier analysis: 38. harmonic current L1	A		
8316	float	RD	Fourier analysis: 39. harmonic current L1	A		
8318	float	RD	Fourier analysis: 40. harmonic current L1	A		
8320	float	RD	Fourier analysis: 1. harmonic current L2	A		
8322	float	RD	Fourier analysis: 2. harmonic current L2	A		
8324	float	RD	Fourier analysis: 3. harmonic current L2	A		
8326	float	RD	Fourier analysis: 4. harmonic current L2	A		
8328	float	RD	Fourier analysis: 5. harmonic current L2	A		
8330	float	RD	Fourier analysis: 6. harmonic current L2	A		
8332	float	RD	Fourier analysis: 7. harmonic current L2	A		
8334	float	RD	Fourier analysis: 8. harmonic current L2	A		
8336	float	RD	Fourier analysis: 9. harmonic current L2	A		
8338	float	RD	Fourier analysis: 10. harmonic current L2	A		
8340	float	RD	Fourier analysis: 11. harmonic current L2	A		
8342	float	RD	Fourier analysis: 12. harmonic current L2	A		
8344	float	RD	Fourier analysis: 13. harmonic current L2	A		
8346	float	RD	Fourier analysis: 14. harmonic current L2	A		
8348	float	RD	Fourier analysis: 15. harmonic current L2	A		
8350	float	RD	Fourier analysis: 16. harmonic current L2	A		
8352	float	RD	Fourier analysis: 17. harmonic current L2	A		
8354	float	RD	Fourier analysis: 18. harmonic current L2	A		
8356	float	RD	Fourier analysis: 19. harmonic current L2	A		
8358	float	RD	Fourier analysis: 20. harmonic current L2	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8360	float	RD	Fourier analysis: 21. harmonic current L2	A		
8362	float	RD	Fourier analysis: 22. harmonic current L2	A		
8364	float	RD	Fourier analysis: 23. harmonic current L2	A		
8366	float	RD	Fourier analysis: 24. harmonic current L2	A		
8368	float	RD	Fourier analysis: 25. harmonic current L2	A		
8370	float	RD	Fourier analysis: 26. harmonic current L2	A		
8372	float	RD	Fourier analysis: 27. harmonic current L2	A		
8374	float	RD	Fourier analysis: 28. harmonic current L2	A		
8376	float	RD	Fourier analysis: 29. harmonic current L2	A		
8378	float	RD	Fourier analysis: 30. harmonic current L2	A		
8380	float	RD	Fourier analysis: 31. harmonic current L2	A		
8382	float	RD	Fourier analysis: 32. harmonic current L2	A		
8384	float	RD	Fourier analysis: 33. harmonic current L2	A		
8386	float	RD	Fourier analysis: 34. harmonic current L2	A		
8388	float	RD	Fourier analysis: 35. harmonic current L2	A		
8390	float	RD	Fourier analysis: 36. harmonic current L2	A		
8392	float	RD	Fourier analysis: 37. harmonic current L2	A		
8394	float	RD	Fourier analysis: 38. harmonic current L2	A		
8396	float	RD	Fourier analysis: 39. harmonic current L2	A		
8398	float	RD	Fourier analysis: 40. harmonic current L2	A		
8400	float	RD	Fourier analysis: 1. harmonic current L3	A		
8402	float	RD	Fourier analysis: 2. harmonic current L3	A		
8404	float	RD	Fourier analysis: 3. harmonic current L3	A		
8406	float	RD	Fourier analysis: 4. harmonic current L3	A		
8408	float	RD	Fourier analysis: 5. harmonic current L3	A		
8410	float	RD	Fourier analysis: 6. harmonic current L3	A		
8412	float	RD	Fourier analysis: 7. harmonic current L3	A		
8414	float	RD	Fourier analysis: 8. harmonic current L3	A		
8416	float	RD	Fourier analysis: 9. harmonic current L3	A		
8418	float	RD	Fourier analysis: 10. harmonic current L3	A		
8420	float	RD	Fourier analysis: 11. harmonic current L3	A		
8422	float	RD	Fourier analysis: 12. harmonic current L3	A		
8424	float	RD	Fourier analysis: 13. harmonic current L3	A		
8426	float	RD	Fourier analysis: 14. harmonic current L3	A		
8428	float	RD	Fourier analysis: 15. harmonic current L3	A		
8430	float	RD	Fourier analysis: 16. harmonic current L3	A		
8432	float	RD	Fourier analysis: 17. harmonic current L3	A		
8434	float	RD	Fourier analysis: 18. harmonic current L3	A		
8436	float	RD	Fourier analysis: 19. harmonic current L3	A		
8438	float	RD	Fourier analysis: 20. harmonic current L3	A		
8440	float	RD	Fourier analysis: 21. harmonic current L3	A		
8442	float	RD	Fourier analysis: 22. harmonic current L3	A		
8444	float	RD	Fourier analysis: 23. harmonic current L3	A		
8446	float	RD	Fourier analysis: 24. harmonic current L3	A		
8448	float	RD	Fourier analysis: 25. harmonic current L3	A		
8450	float	RD	Fourier analysis: 26. harmonic current L3	A		
8452	float	RD	Fourier analysis: 27. harmonic current L3	A		
8454	float	RD	Fourier analysis: 28. harmonic current L3	A		
8456	float	RD	Fourier analysis: 29. harmonic current L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8458	float	RD	Fourier analysis: 30. harmonic current L3	A		
8460	float	RD	Fourier analysis: 31. harmonic current L3	A		
8462	float	RD	Fourier analysis: 32. harmonic current L3	A		
8464	float	RD	Fourier analysis: 33. harmonic current L3	A		
8466	float	RD	Fourier analysis: 34. harmonic current L3	A		
8468	float	RD	Fourier analysis: 35. harmonic current L3	A		
8470	float	RD	Fourier analysis: 36. harmonic current L3	A		
8472	float	RD	Fourier analysis: 37. harmonic current L3	A		
8474	float	RD	Fourier analysis: 38. harmonic current L3	A		
8476	float	RD	Fourier analysis: 39. harmonic current L3	A		
8478	float	RD	Fourier analysis: 40. harmonic current L3	A		
11029	short (x10)	RD	Fourier analysis: 1. harmonic voltage L1	V		
11030	short (x10)	RD	Fourier analysis: 3. harmonic voltage L1	V		
11031	short (x10)	RD	Fourier analysis: 5. harmonic voltage L1	V		
11032	short (x10)	RD	Fourier analysis: 7. harmonic voltage L1	V		
11033	short (x10)	RD	Fourier analysis: 9. harmonic voltage L1	V		
11034	short (x10)	RD	Fourier analysis: 11. harmonic voltage L1	V		
11035	short (x10)	RD	Fourier analysis: 13. harmonic voltage L1	V		
11036	short (x10)	RD	Fourier analysis: 15. harmonic voltage L1	V		
11037	short (x10)	RD	Fourier analysis: 17. harmonic voltage L1	V		
11038	short (x10)	RD	Fourier analysis: 19. harmonic voltage L1	V		
11039	short (x10)	RD	Fourier analysis: 21. harmonic voltage L1	V		
11040	short (x10)	RD	Fourier analysis: 23. harmonic voltage L1	V		
11041	short (x10)	RD	Fourier analysis: 25. harmonic voltage L1	V		
11042	short (x10)	RD	Fourier analysis: 1. harmonic voltage L2	V		
11043	short (x10)	RD	Fourier analysis: 3. harmonic voltage L2	V		
11044	short (x10)	RD	Fourier analysis: 5. harmonic voltage L2	V		
11045	short (x10)	RD	Fourier analysis: 7. harmonic voltage L2	V		
11046	short (x10)	RD	Fourier analysis: 9. harmonic voltage L2	V		
11047	short (x10)	RD	Fourier analysis: 11. harmonic voltage L2	V		
11048	short (x10)	RD	Fourier analysis: 13. harmonic voltage L2	V		
11049	short (x10)	RD	Fourier analysis: 15. harmonic voltage L2	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
11050	short (x10)	RD	Fourier analysis: 17. harmonic voltage L2	V		
11051	short (x10)	RD	Fourier analysis: 19. harmonic voltage L2	V		
11052	short (x10)	RD	Fourier analysis: 21. harmonic voltage L2	V		
11053	short (x10)	RD	Fourier analysis: 23. harmonic voltage L2	V		
11054	short (x10)	RD	Fourier analysis: 25. harmonic voltage L2	V		
11055	short (x10)	RD	Fourier analysis: 1. harmonic voltage L3	V		
11056	short (x10)	RD	Fourier analysis: 3. harmonic voltage L3	V		
11057	short (x10)	RD	Fourier analysis: 5. harmonic voltage L3	V		
11058	short (x10)	RD	Fourier analysis: 7. harmonic voltage L3	V		
11059	short (x10)	RD	Fourier analysis: 9. harmonic voltage L3	V		
11060	short (x10)	RD	Fourier analysis: 11. harmonic voltage L3	V		
11061	short (x10)	RD	Fourier analysis: 13. harmonic voltage L3	V		
11062	short (x10)	RD	Fourier analysis: 15. harmonic voltage L3	V		
11063	short (x10)	RD	Fourier analysis: 17. harmonic voltage L3	V		
11064	short (x10)	RD	Fourier analysis: 19. harmonic voltage L3	V		
11065	short (x10)	RD	Fourier analysis: 21. harmonic voltage L3	V		
11066	short (x10)	RD	Fourier analysis: 23. harmonic voltage L3	V		
11067	short (x10)	RD	Fourier analysis: 25. harmonic voltage L3	V		
11068	short (x10)	RD	Fourier analysis: 1. harmonic current L1	A		
11069	short (x10)	RD	Fourier analysis: 3. harmonic current L1	A		
11070	short (x10)	RD	Fourier analysis: 5. harmonic current L1	A		
11071	short (x10)	RD	Fourier analysis: 7. harmonic current L1	A		
11072	short (x10)	RD	Fourier analysis: 9. harmonic current L1	A		
11073	short (x10)	RD	Fourier analysis: 11. harmonic current L1	A		
11074	short (x10)	RD	Fourier analysis: 13. harmonic current L1	A		
11075	short (x10)	RD	Fourier analysis: 15. harmonic current L1	A		
11076	short (x10)	RD	Fourier analysis: 17. harmonic current L1	A		
11077	short (x10)	RD	Fourier analysis: 19. harmonic current L1	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
11078	short (x10)	RD	Fourier analysis: 21. harmonic current L1	A		
11079	short (x10)	RD	Fourier analysis: 23. harmonic current L1	A		
11080	short (x10)	RD	Fourier analysis: 25. harmonic current L1	A		
11081	short (x10)	RD	Fourier analysis: 1. harmonic current L2	A		
11082	short (x10)	RD	Fourier analysis: 3. harmonic current L2	A		
11083	short (x10)	RD	Fourier analysis: 5. harmonic current L2	A		
11084	short (x10)	RD	Fourier analysis: 7. harmonic current L2	A		
11085	short (x10)	RD	Fourier analysis: 9. harmonic current L2	A		
11086	short (x10)	RD	Fourier analysis: 11. harmonic current L2	A		
11087	short (x10)	RD	Fourier analysis: 13. harmonic current L2	A		
11088	short (x10)	RD	Fourier analysis: 15. harmonic current L2	A		
11089	short (x10)	RD	Fourier analysis: 17. harmonic current L2	A		
11090	short (x10)	RD	Fourier analysis: 19. harmonic current L2	A		
11091	short (x10)	RD	Fourier analysis: 21. harmonic current L2	A		
11092	short (x10)	RD	Fourier analysis: 23. harmonic current L2	A		
11093	short (x10)	RD	Fourier analysis: 25. harmonic current L2	A		
11094	short (x10)	RD	Fourier analysis: 1. harmonic current L3	A		
11095	short (x10)	RD	Fourier analysis: 3. harmonic current L3	A		
11096	short (x10)	RD	Fourier analysis: 5. harmonic current L3	A		
11097	short (x10)	RD	Fourier analysis: 7. harmonic current L3	A		
11098	short (x10)	RD	Fourier analysis: 9. harmonic current L3	A		
11099	short (x10)	RD	Fourier analysis: 11. harmonic current L3	A		
11100	short (x10)	RD	Fourier analysis: 13. harmonic current L3	A		
11101	short (x10)	RD	Fourier analysis: 15. harmonic current L3	A		
11102	short (x10)	RD	Fourier analysis: 17. harmonic current L3	A		
11103	short (x10)	RD	Fourier analysis: 19. harmonic current L3	A		
11104	short (x10)	RD	Fourier analysis: 21. harmonic current L3	A		
11105	short (x10)	RD	Fourier analysis: 23. harmonic current L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
11106	short (x10)	RD	Fourier analysis: 25. harmonic current L3	A		

Maximalwerte, Fourieranalyse

3058	float	RD	Max. value: 1. harmonic voltage L1	V		
3060	float	RD	Max. value: 3. harmonic voltage L1	V		
3062	float	RD	Max. value: 5. harmonic voltage L1	V		
3064	float	RD	Max. value: 7. harmonic voltage L1	V		
3066	float	RD	Max. value: 9. harmonic voltage L1	V		
3068	float	RD	Max. value: 11. harmonic voltage L1	V		
3070	float	RD	Max. value: 13. harmonic voltage L1	V		
3072	float	RD	Max. value: 15. harmonic voltage L1	V		
3074	float	RD	Max. value: 17. harmonic voltage L1	V		
3076	float	RD	Max. value: 19. harmonic voltage L1	V		
3078	float	RD	Max. value: 21. harmonic voltage L1	V		
3080	float	RD	Max. value: 23. harmonic voltage L1	V		
3082	float	RD	Max. value: 25. harmonic voltage L1	V		
3084	float	RD	Max. value: 1. harmonic voltage L2	V		
3086	float	RD	Max. value: 3. harmonic voltage L2	V		
3088	float	RD	Max. value: 5. harmonic voltage L2	V		
3090	float	RD	Max. value: 7. harmonic voltage L2	V		
3092	float	RD	Max. value: 9. harmonic voltage L2	V		
3094	float	RD	Max. value: 11. harmonic voltage L2	V		
3096	float	RD	Max. value: 13. harmonic voltage L2	V		
3098	float	RD	Max. value: 15. harmonic voltage L2	V		
3100	float	RD	Max. value: 17. harmonic voltage L2	V		
3102	float	RD	Max. value: 19. harmonic voltage L2	V		
3104	float	RD	Max. value: 21. harmonic voltage L2	V		
3106	float	RD	Max. value: 23. harmonic voltage L2	V		
3108	float	RD	Max. value: 25. harmonic voltage L2	V		
3110	float	RD	Max. value: 1. harmonic voltage L3	V		
3112	float	RD	Max. value: 3. harmonic voltage L3	V		
3114	float	RD	Max. value: 5. harmonic voltage L3	V		
3116	float	RD	Max. value: 7. harmonic voltage L3	V		
3118	float	RD	Max. value: 9. harmonic voltage L3	V		
3120	float	RD	Max. value: 11. harmonic voltage L3	V		
3122	float	RD	Max. value: 13. harmonic voltage L3	V		
3124	float	RD	Max. value: 15. harmonic voltage L3	V		
3126	float	RD	Max. value: 17. harmonic voltage L3	V		
3128	float	RD	Max. value: 19. harmonic voltage L3	V		
3130	float	RD	Max. value: 21. harmonic voltage L3	V		
3132	float	RD	Max. value: 23. harmonic voltage L3	V		
3134	float	RD	Max. value: 25. harmonic voltage L3	V		
3136	float	RD	Max. value: 1. harmonic current L1	A		
3138	float	RD	Max. value: 3. harmonic current L1	A		
3140	float	RD	Max. value: 5. harmonic current L1	A		
3142	float	RD	Max. value: 7. harmonic current L1	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
3144	float	RD	Max. value: 9. harmonic current L1	A		
3146	float	RD	Max. value: 11. harmonic current L1	A		
3148	float	RD	Max. value: 13. harmonic current L1	A		
3150	float	RD	Max. value: 15. harmonic current L1	A		
3152	float	RD	Max. value: 17. harmonic current L1	A		
3154	float	RD	Max. value: 19. harmonic current L1	A		
3156	float	RD	Max. value: 21. harmonic current L1	A		
3158	float	RD	Max. value: 23. harmonic current L1	A		
3160	float	RD	Max. value: 25. harmonic current L1	A		
3162	float	RD	Max. value: 1. harmonic current L2	A		
3164	float	RD	Max. value: 3. harmonic current L2	A		
3166	float	RD	Max. value: 5. harmonic current L2	A		
3168	float	RD	Max. value: 7. harmonic current L2	A		
3170	float	RD	Max. value: 9. harmonic current L2	A		
3172	float	RD	Max. value: 11. harmonic current L2	A		
3174	float	RD	Max. value: 13. harmonic current L2	A		
3176	float	RD	Max. value: 15. harmonic current L2	A		
3178	float	RD	Max. value: 17. harmonic current L2	A		
3180	float	RD	Max. value: 19. harmonic current L2	A		
3182	float	RD	Max. value: 21. harmonic current L2	A		
3184	float	RD	Max. value: 23. harmonic current L2	A		
3186	float	RD	Max. value: 25. harmonic current L2	A		
3188	float	RD	Max. value: 1. harmonic current L3	A		
3190	float	RD	Max. value: 3. harmonic current L3	A		
3192	float	RD	Max. value: 5. harmonic current L3	A		
3194	float	RD	Max. value: 7. harmonic current L3	A		
3196	float	RD	Max. value: 9. harmonic current L3	A		
3198	float	RD	Max. value: 11. harmonic current L3	A		
3200	float	RD	Max. value: 13. harmonic current L3	A		
3202	float	RD	Max. value: 15. harmonic current L3	A		
3204	float	RD	Max. value: 17. harmonic current L3	A		
3206	float	RD	Max. value: 19. harmonic current L3	A		
3208	float	RD	Max. value: 21. harmonic current L3	A		
3210	float	RD	Max. value: 23. harmonic current L3	A		
3212	float	RD	Max. value: 25. harmonic current L3	A		
8960	float	RD	Max. value: 1. harmonic voltage L1	V		
8962	float	RD	Max. value: 2. harmonic voltage L1	V		
8964	float	RD	Max. value: 3. harmonic voltage L1	V		
8966	float	RD	Max. value: 4. harmonic voltage L1	V		
8968	float	RD	Max. value: 5. harmonic voltage L1	V		
8970	float	RD	Max. value: 6. harmonic voltage L1	V		
8972	float	RD	Max. value: 7. harmonic voltage L1	V		
8974	float	RD	Max. value: 8. harmonic voltage L1	V		
8976	float	RD	Max. value: 9. harmonic voltage L1	V		
8978	float	RD	Max. value: 10. harmonic voltage L1	V		
8980	float	RD	Max. value: 11. harmonic voltage L1	V		
8982	float	RD	Max. value: 12. harmonic voltage L1	V		
8984	float	RD	Max. value: 13. harmonic voltage L1	V		
8986	float	RD	Max. value: 14. harmonic voltage L1	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8988	float	RD	Max. value: 15. harmonic voltage L1	V		
8990	float	RD	Max. value: 16. harmonic voltage L1	V		
8992	float	RD	Max. value: 17. harmonic voltage L1	V		
8994	float	RD	Max. value: 18. harmonic voltage L1	V		
8996	float	RD	Max. value: 19. harmonic voltage L1	V		
8998	float	RD	Max. value: 20. harmonic voltage L1	V		
9000	float	RD	Max. value: 21. harmonic voltage L1	V		
9002	float	RD	Max. value: 22. harmonic voltage L1	V		
9004	float	RD	Max. value: 23. harmonic voltage L1	V		
9006	float	RD	Max. value: 24. harmonic voltage L1	V		
9008	float	RD	Max. value: 25. harmonic voltage L1	V		
9010	float	RD	Max. value: 26. harmonic voltage L1	V		
9012	float	RD	Max. value: 26. harmonic voltage L1	V		
9014	float	RD	Max. value: 28. harmonic voltage L1	V		
9016	float	RD	Max. value: 29. harmonic voltage L1	V		
9018	float	RD	Max. value: 30. harmonic voltage L1	V		
9020	float	RD	Max. value: 31. harmonic voltage L1	V		
9022	float	RD	Max. value: 32. harmonic voltage L1	V		
9024	float	RD	Max. value: 33. harmonic voltage L1	V		
9026	float	RD	Max. value: 34. harmonic voltage L1	V		
9028	float	RD	Max. value: 35. harmonic voltage L1	V		
9030	float	RD	Max. value: 36. harmonic voltage L1	V		
9032	float	RD	Max. value: 37. harmonic voltage L1	V		
9034	float	RD	Max. value: 38. harmonic voltage L1	V		
9036	float	RD	Max. value: 39. harmonic voltage L1	V		
9038	float	RD	Max. value: 40. harmonic voltage L1	V		
9040	float	RD	Max. value: 1. harmonic voltage L2	V		
9042	float	RD	Max. value: 2. harmonic voltage L2	V		
9044	float	RD	Max. value: 3. harmonic voltage L2	V		
9046	float	RD	Max. value: 4. harmonic voltage L2	V		
9048	float	RD	Max. value: 5. harmonic voltage L2	V		
9050	float	RD	Max. value: 6. harmonic voltage L2	V		
9052	float	RD	Max. value: 7. harmonic voltage L2	V		
9054	float	RD	Max. value: 8. harmonic voltage L2	V		
9056	float	RD	Max. value: 9. harmonic voltage L2	V		
9058	float	RD	Max. value: 10. harmonic voltage L2	V		
9060	float	RD	Max. value: 11. harmonic voltage L2	V		
9062	float	RD	Max. value: 12. harmonic voltage L2	V		
9064	float	RD	Max. value: 13. harmonic voltage L2	V		
9066	float	RD	Max. value: 14. harmonic voltage L2	V		
9068	float	RD	Max. value: 15. harmonic voltage L2	V		
9070	float	RD	Max. value: 16. harmonic voltage L2	V		
9072	float	RD	Max. value: 17. harmonic voltage L2	V		
9074	float	RD	Max. value: 18. harmonic voltage L2	V		
9076	float	RD	Max. value: 19. harmonic voltage L2	V		
9078	float	RD	Max. value: 20. harmonic voltage L2	V		
9080	float	RD	Max. value: 21. harmonic voltage L2	V		
9082	float	RD	Max. value: 22. harmonic voltage L2	V		
9084	float	RD	Max. value: 23. harmonic voltage L2	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9086	float	RD	Max. value: 24. harmonic voltage L2	V		
9088	float	RD	Max. value: 25. harmonic voltage L2	V		
9090	float	RD	Max. value: 26. harmonic voltage L2	V		
9092	float	RD	Max. value: 27. harmonic voltage L2	V		
9094	float	RD	Max. value: 28. harmonic voltage L2	V		
9096	float	RD	Max. value: 29. harmonic voltage L2	V		
9098	float	RD	Max. value: 30. harmonic voltage L2	V		
9100	float	RD	Max. value: 31. harmonic voltage L2	V		
9102	float	RD	Max. value: 32. harmonic voltage L2	V		
9104	float	RD	Max. value: 33. harmonic voltage L2	V		
9106	float	RD	Max. value: 34. harmonic voltage L2	V		
9108	float	RD	Max. value: 35. harmonic voltage L2	V		
9110	float	RD	Max. value: 36. harmonic voltage L2	V		
9112	float	RD	Max. value: 37. harmonic voltage L2	V		
9114	float	RD	Max. value: 38. harmonic voltage L2	V		
9116	float	RD	Max. value: 39. harmonic voltage L2	V		
9118	float	RD	Max. value: 40. harmonic voltage L2	V		
9120	float	RD	Max. value: 1. harmonic voltage L3	V		
9122	float	RD	Max. value: 2. harmonic voltage L3	V		
9124	float	RD	Max. value: 3. harmonic voltage L3	V		
9126	float	RD	Max. value: 4. harmonic voltage L3	V		
9128	float	RD	Max. value: 5. harmonic voltage L3	V		
9130	float	RD	Max. value: 6. harmonic voltage L3	V		
9132	float	RD	Max. value: 7. harmonic voltage L3	V		
9134	float	RD	Max. value: 8. harmonic voltage L3	V		
9136	float	RD	Max. value: 9. harmonic voltage L3	V		
9138	float	RD	Max. value: 10. harmonic voltage L3	V		
9140	float	RD	Max. value: 11. harmonic voltage L3	V		
9142	float	RD	Max. value: 12. harmonic voltage L3	V		
9144	float	RD	Max. value: 13. harmonic voltage L3	V		
9146	float	RD	Max. value: 14. harmonic voltage L3	V		
9148	float	RD	Max. value: 15. harmonic voltage L3	V		
9150	float	RD	Max. value: 16. harmonic voltage L3	V		
9152	float	RD	Max. value: 17. harmonic voltage L3	V		
9154	float	RD	Max. value: 18. harmonic voltage L3	V		
9156	float	RD	Max. value: 19. harmonic voltage L3	V		
9158	float	RD	Max. value: 20. harmonic voltage L3	V		
9160	float	RD	Max. value: 21. harmonic voltage L3	V		
9162	float	RD	Max. value: 22. harmonic voltage L3	V		
9164	float	RD	Max. value: 23. harmonic voltage L3	V		
9166	float	RD	Max. value: 24. harmonic voltage L3	V		
9168	float	RD	Max. value: 25. harmonic voltage L3	V		
9170	float	RD	Max. value: 26. harmonic voltage L3	V		
9172	float	RD	Max. value: 27. harmonic voltage L3	V		
9174	float	RD	Max. value: 28. harmonic voltage L3	V		
9176	float	RD	Max. value: 29. harmonic voltage L3	V		
9178	float	RD	Max. value: 30. harmonic voltage L3	V		
9180	float	RD	Max. value: 31. harmonic voltage L3	V		
9182	float	RD	Max. value: 32. harmonic voltage L3	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9184	float	RD	Max. value: 33. harmonic voltage L3	V		
9186	float	RD	Max. value: 34. harmonic voltage L3	V		
9188	float	RD	Max. value: 35. harmonic voltage L3	V		
9190	float	RD	Max. value: 36. harmonic voltage L3	V		
9192	float	RD	Max. value: 37. harmonic voltage L3	V		
9194	float	RD	Max. value: 38. harmonic voltage L3	V		
9196	float	RD	Max. value: 39. harmonic voltage L3	V		
9198	float	RD	Max. value: 40. harmonic voltage L3	V		
9200	float	RD	Max. value: 1. harmonic current L1	A		
9202	float	RD	Max. value: 2. harmonic current L1	A		
9204	float	RD	Max. value: 3. harmonic current L1	A		
9206	float	RD	Max. value: 4. harmonic current L1	A		
9208	float	RD	Max. value: 5. harmonic current L1	A		
9210	float	RD	Max. value: 6. harmonic current L1	A		
9212	float	RD	Max. value: 7. harmonic current L1	A		
9214	float	RD	Max. value: 8. harmonic current L1	A		
9216	float	RD	Max. value: 9. harmonic current L1	A		
9218	float	RD	Max. value: 10. harmonic current L1	A		
9220	float	RD	Max. value: 11. harmonic current L1	A		
9222	float	RD	Max. value: 12. harmonic current L1	A		
9224	float	RD	Max. value: 13. harmonic current L1	A		
9226	float	RD	Max. value: 14. harmonic current L1	A		
9228	float	RD	Max. value: 15. harmonic current L1	A		
9230	float	RD	Max. value: 16. harmonic current L1	A		
9232	float	RD	Max. value: 17. harmonic current L1	A		
9234	float	RD	Max. value: 18. harmonic current L1	A		
9236	float	RD	Max. value: 19. harmonic current L1	A		
9238	float	RD	Max. value: 20. harmonic current L1	A		
9240	float	RD	Max. value: 21. harmonic current L1	A		
9242	float	RD	Max. value: 22. harmonic current L1	A		
9244	float	RD	Max. value: 23. harmonic current L1	A		
9246	float	RD	Max. value: 24. harmonic current L1	A		
9248	float	RD	Max. value: 25. harmonic current L1	A		
9250	float	RD	Max. value: 26. harmonic current L1	A		
9252	float	RD	Max. value: 27. harmonic current L1	A		
9254	float	RD	Max. value: 28. harmonic current L1	A		
9256	float	RD	Max. value: 29. harmonic current L1	A		
9258	float	RD	Max. value: 30. harmonic current L1	A		
9260	float	RD	Max. value: 31. harmonic current L1	A		
9262	float	RD	Max. value: 32. harmonic current L1	A		
9264	float	RD	Max. value: 33. harmonic current L1	A		
9266	float	RD	Max. value: 34. harmonic current L1	A		
9268	float	RD	Max. value: 35. harmonic current L1	A		
9270	float	RD	Max. value: 36. harmonic current L1	A		
9272	float	RD	Max. value: 37. harmonic current L1	A		
9274	float	RD	Max. value: 38. harmonic current L1	A		
9276	float	RD	Max. value: 39. harmonic current L1	A		
9278	float	RD	Max. value: 40. harmonic current L1	A		
9280	float	RD	Max. value: 1. harmonic current L2	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9282	float	RD	Max. value: 2. harmonic current L2	A		
9284	float	RD	Max. value: 3. harmonic current L2	A		
9286	float	RD	Max. value: 4. harmonic current L2	A		
9288	float	RD	Max. value: 5. harmonic current L2	A		
9290	float	RD	Max. value: 6. harmonic current L2	A		
9292	float	RD	Max. value: 7. harmonic current L2	A		
9294	float	RD	Max. value: 8. harmonic current L2	A		
9296	float	RD	Max. value: 9. harmonic current L2	A		
9298	float	RD	Max. value: 10. harmonic current L2	A		
9300	float	RD	Max. value: 11. harmonic current L2	A		
9302	float	RD	Max. value: 12. harmonic current L2	A		
9304	float	RD	Max. value: 13. harmonic current L2	A		
9306	float	RD	Max. value: 14. harmonic current L2	A		
9308	float	RD	Max. value: 15. harmonic current L2	A		
9310	float	RD	Max. value: 16. harmonic current L2	A		
9312	float	RD	Max. value: 17. harmonic current L2	A		
9314	float	RD	Max. value: 18. harmonic current L2	A		
9316	float	RD	Max. value: 19. harmonic current L2	A		
9318	float	RD	Max. value: 20. harmonic current L2	A		
9320	float	RD	Max. value: 21. harmonic current L2	A		
9322	float	RD	Max. value: 22. harmonic current L2	A		
9324	float	RD	Max. value: 23. harmonic current L2	A		
9326	float	RD	Max. value: 24. harmonic current L2	A		
9328	float	RD	Max. value: 25. harmonic current L2	A		
9330	float	RD	Max. value: 26. harmonic current L2	A		
9332	float	RD	Max. value: 27. harmonic current L2	A		
9334	float	RD	Max. value: 28. harmonic current L2	A		
9336	float	RD	Max. value: 29. harmonic current L2	A		
9338	float	RD	Max. value: 30. harmonic current L2	A		
9340	float	RD	Max. value: 31. harmonic current L2	A		
9342	float	RD	Max. value: 32. harmonic current L2	A		
9344	float	RD	Max. value: 33. harmonic current L2	A		
9346	float	RD	Max. value: 34. harmonic current L2	A		
9348	float	RD	Max. value: 35. harmonic current L2	A		
9350	float	RD	Max. value: 36. harmonic current L2	A		
9352	float	RD	Max. value: 37. harmonic current L2	A		
9354	float	RD	Max. value: 38. harmonic current L2	A		
9356	float	RD	Max. value: 39. harmonic current L2	A		
9358	float	RD	Max. value: 40. harmonic current L2	A		
9360	float	RD	Max. value: 1. harmonic current L3	A		
9362	float	RD	Max. value: 2. harmonic current L3	A		
9364	float	RD	Max. value: 3. harmonic current L3	A		
9366	float	RD	Max. value: 4. harmonic current L3	A		
9368	float	RD	Max. value: 5. harmonic current L3	A		
9370	float	RD	Max. value: 6. harmonic current L3	A		
9372	float	RD	Max. value: 7. harmonic current L3	A		
9374	float	RD	Max. value: 8. harmonic current L3	A		
9376	float	RD	Max. value: 9. harmonic current L3	A		
9378	float	RD	Max. value: 10. harmonic current L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9380	float	RD	Max. value: 11. harmonic current L3	A		
9382	float	RD	Max. value: 12. harmonic current L3	A		
9384	float	RD	Max. value: 13. harmonic current L3	A		
9386	float	RD	Max. value: 14. harmonic current L3	A		
9388	float	RD	Max. value: 15. harmonic current L3	A		
9390	float	RD	Max. value: 16. harmonic current L3	A		
9392	float	RD	Max. value: 17. harmonic current L3	A		
9394	float	RD	Max. value: 18. harmonic current L3	A		
9396	float	RD	Max. value: 19. harmonic current L3	A		
9398	float	RD	Max. value: 20. harmonic current L3	A		
9400	float	RD	Max. value: 21. harmonic current L3	A		
9402	float	RD	Max. value: 22. harmonic current L3	A		
9404	float	RD	Max. value: 23. harmonic current L3	A		
9406	float	RD	Max. value: 24. harmonic current L3	A		
9408	float	RD	Max. value: 25. harmonic current L3	A		
9410	float	RD	Max. value: 26. harmonic current L3	A		
9412	float	RD	Max. value: 27. harmonic current L3	A		
9414	float	RD	Max. value: 28. harmonic current L3	A		
9416	float	RD	Max. value: 29. harmonic current L3	A		
9418	float	RD	Max. value: 30. harmonic current L3	A		
9420	float	RD	Max. value: 31. harmonic current L3	A		
9422	float	RD	Max. value: 32. harmonic current L3	A		
9424	float	RD	Max. value: 33. harmonic current L3	A		
9426	float	RD	Max. value: 34. harmonic current L3	A		
9428	float	RD	Max. value: 35. harmonic current L3	A		
9430	float	RD	Max. value: 36. harmonic current L3	A		
9432	float	RD	Max. value: 37. harmonic current L3	A		
9434	float	RD	Max. value: 38. harmonic current L3	A		
9436	float	RD	Max. value: 39. harmonic current L3	A		
9438	float	RD	Max. value: 40. harmonic current L3	A		
13029	short (x10)	RD	Max. value: 1. harmonic voltage L1	V		
13030	short (x10)	RD	Max. value: 3. harmonic voltage L1	V		
13031	short (x10)	RD	Max. value: 5. harmonic voltage L1	V		
13032	short (x10)	RD	Max. value: 7. harmonic voltage L1	V		
13033	short (x10)	RD	Max. value: 9. harmonic voltage L1	V		
13034	short (x10)	RD	Max. value: 11. harmonic voltage L1	V		
13035	short (x10)	RD	Max. value: 13. harmonic voltage L1	V		
13036	short (x10)	RD	Max. value: 15. harmonic voltage L1	V		
13037	short (x10)	RD	Max. value: 17. harmonic voltage L1	V		
13038	short (x10)	RD	Max. value: 19. harmonic voltage L1	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
13039	short (x10)	RD	Max. value: 21. harmonic voltage L1	V		
13040	short (x10)	RD	Max. value: 23. harmonic voltage L1	V		
13041	short (x10)	RD	Max. value: 25. harmonic voltage L1	V		
13042	short (x10)	RD	Max. value: 1. harmonic voltage L2	V		
13043	short (x10)	RD	Max. value: 3. harmonic voltage L2	V		
13044	short (x10)	RD	Max. value: 5. harmonic voltage L2	V		
13045	short (x10)	RD	Max. value: 7. harmonic voltage L2	V		
13046	short (x10)	RD	Max. value: 9. harmonic voltage L2	V		
13047	short (x10)	RD	Max. value: 11. harmonic voltage L2	V		
13048	short (x10)	RD	Max. value: 13. harmonic voltage L2	V		
13049	short (x10)	RD	Max. value: 15. harmonic voltage L2	V		
13050	short (x10)	RD	Max. value: 17. harmonic voltage L2	V		
13051	short (x10)	RD	Max. value: 19. harmonic voltage L2	V		
13052	short (x10)	RD	Max. value: 21. harmonic voltage L2	V		
13053	short (x10)	RD	Max. value: 23. harmonic voltage L2	V		
13054	short (x10)	RD	Max. value: 25. harmonic voltage L2	V		
13055	short (x10)	RD	Max. value: 1. harmonic voltage L3	V		
13056	short (x10)	RD	Max. value: 3. harmonic voltage L3	V		
13057	short (x10)	RD	Max. value: 5. harmonic voltage L3	V		
13058	short (x10)	RD	Max. value: 7. harmonic voltage L3	V		
13059	short (x10)	RD	Max. value: 9. harmonic voltage L3	V		
13060	short (x10)	RD	Max. value: 11. harmonic voltage L3	V		
13061	short (x10)	RD	Max. value: 13. harmonic voltage L3	V		
13062	short (x10)	RD	Max. value: 15. harmonic voltage L3	V		
13063	short (x10)	RD	Max. value: 17. harmonic voltage L3	V		
13064	short (x10)	RD	Max. value: 19. harmonic voltage L3	V		
13065	short (x10)	RD	Max. value: 21. harmonic voltage L3	V		
13066	short (x10)	RD	Max. value: 23. harmonic voltage L3	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
13067	short (x10)	RD	Max. value: 25. harmonic voltage L3	V		
13068	short (x1000)	RD	Max. value: 1. harmonic current L1	A		
13069	short (x1000)	RD	Max. value: 3. harmonic current L1	A		
13070	short (x1000)	RD	Max. value: 5. harmonic current L1	A		
13071	short (x1000)	RD	Max. value: 7. harmonic current L1	A		
13072	short (x1000)	RD	Max. value: 9. harmonic current L1	A		
13073	short (x1000)	RD	Max. value: 11. harmonic current L1	A		
13074	short (x1000)	RD	Max. value: 13. harmonic current L1	A		
13075	short (x1000)	RD	Max. value: 15. harmonic current L1	A		
13076	short (x1000)	RD	Max. value: 17. harmonic current L1	A		
13077	short (x1000)	RD	Max. value: 19. harmonic current L1	A		
13078	short (x1000)	RD	Max. value: 21. harmonic current L1	A		
13079	short (x1000)	RD	Max. value: 23. harmonic current L1	A		
13080	short (x1000)	RD	Max. value: 25. harmonic current L1	A		
13081	short (x1000)	RD	Max. value: 1. harmonic current L2	A		
13082	short (x1000)	RD	Max. value: 3. harmonic current L2	A		
13083	short (x1000)	RD	Max. value: 5. harmonic current L2	A		
13084	short (x1000)	RD	Max. value: 7. harmonic current L2	A		
13085	short (x1000)	RD	Max. value: 9. harmonic current L2	A		
13086	short (x1000)	RD	Max. value: 11. harmonic current L2	A		
13087	short (x1000)	RD	Max. value: 13. harmonic current L2	A		
13088	short (x1000)	RD	Max. value: 15. harmonic current L2	A		
13089	short (x1000)	RD	Max. value: 17. harmonic current L2	A		
13090	short (x1000)	RD	Max. value: 19. harmonic current L2	A		
13091	short (x1000)	RD	Max. value: 21. harmonic current L2	A		
13092	short (x1000)	RD	Max. value: 23. harmonic current L2	A		
13093	short (x1000)	RD	Max. value: 25. harmonic current L2	A		
13094	short (x1000)	RD	Max. value: 1. harmonic current L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
13095	short (x1000)	RD	Max. value: 3. harmonic current L3	A		
13096	short (x1000)	RD	Max. value: 5. harmonic current L3	A		
13097	short (x1000)	RD	Max. value: 7. harmonic current L3	A		
13098	short (x1000)	RD	Max. value: 9. harmonic current L3	A		
13099	short (x1000)	RD	Max. value: 11. harmonic current L3	A		
13100	short (x1000)	RD	Max. value: 13. harmonic current L3	A		
13101	short (x1000)	RD	Max. value: 15. harmonic current L3	A		
13102	short (x1000)	RD	Max. value: 17. harmonic current L3	A		
13103	short (x1000)	RD	Max. value: 17. harmonic current L3	A		
13104	short (x1000)	RD	Max. value: 21. harmonic current L3	A		
13105	short (x1000)	RD	Max. value: 23. harmonic current L3	A		
13106	short (x1000)	RD	Max. value: 25. harmonic current L3	A		

Maximalwerte, Zeitstempel, Fourieranalyse

3358	uint	RD	UTC timestamp, max. value: 1. harmonic voltage L1	s
3360	uint	RD	UTC timestamp, max. value: 3. harmonic voltage L1	s
3362	uint	RD	UTC timestamp, max. value: 5. harmonic voltage L1	s
3364	uint	RD	UTC timestamp, max. value: 7. harmonic voltage L1	s
3366	uint	RD	UTC timestamp, max. value: 9. harmonic voltage L1	s
3368	uint	RD	UTC timestamp, max. value: 11. harmonic voltage L1	s
3370	uint	RD	UTC timestamp, max. value: 13. harmonic voltage L1	s
3372	uint	RD	UTC timestamp, max. value: 15. harmonic voltage L1	s
3374	uint	RD	UTC timestamp, max. value: 17. harmonic voltage L1	s
3376	uint	RD	UTC timestamp, max. value: 19. harmonic voltage L1	s
3378	uint	RD	UTC timestamp, max. value: 21. harmonic voltage L1	s
3380	uint	RD	UTC timestamp, max. value: 23. harmonic voltage L1	s
3382	uint	RD	UTC timestamp, max. value: 25. harmonic voltage L1	s

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
3384	uint	RD	UTC timestamp, max. value: 1. harmonic voltage L2	s		
3386	uint	RD	UTC timestamp, max. value: 3. harmonic voltage L2	s		
3388	uint	RD	UTC timestamp, max. value: 5. harmonic voltage L2	s		
3390	uint	RD	UTC timestamp, max. value: 7. harmonic voltage L2	s		
3392	uint	RD	UTC timestamp, max. value: 9. harmonic voltage L2	s		
3394	uint	RD	UTC timestamp, max. value: 11. harmonic voltage L2	s		
3396	uint	RD	UTC timestamp, max. value: 13. harmonic voltage L2	s		
3398	uint	RD	UTC timestamp, max. value: 15. harmonic voltage L2	s		
3400	uint	RD	UTC timestamp, max. value: 17. harmonic voltage L2	s		
3402	uint	RD	UTC timestamp, max. value: 19. harmonic voltage L2	s		
3404	uint	RD	UTC timestamp, max. value: 21. harmonic voltage L2	s		
3406	uint	RD	UTC timestamp, max. value: 23. harmonic voltage L2	s		
3408	uint	RD	UTC timestamp, max. value: 25. harmonic voltage L2	s		
3410	uint	RD	UTC timestamp, max. value: 1. harmonic voltage L3	s		
3412	uint	RD	UTC timestamp, max. value: 3. harmonic voltage L3	s		
3414	uint	RD	UTC timestamp, max. value: 5. harmonic voltage L3	s		
3416	uint	RD	UTC timestamp, max. value: 7. harmonic voltage L3	s		
3418	uint	RD	UTC timestamp, max. value: 9. harmonic voltage L3	s		
3420	uint	RD	UTC timestamp, max. value: 11. harmonic voltage L3	s		
3422	uint	RD	UTC timestamp, max. value: 13. harmonic voltage L3	s		
3424	uint	RD	UTC timestamp, max. value: 15. harmonic voltage L3	s		
3426	uint	RD	UTC timestamp, max. value: 17. harmonic voltage L3	s		
3428	uint	RD	UTC timestamp, max. value: 19. harmonic voltage L3	s		
3430	uint	RD	UTC timestamp, max. value: 21. harmonic voltage L3	s		
3432	uint	RD	UTC timestamp, max. value: 23. harmonic voltage L3	s		
3434	uint	RD	UTC timestamp, max. value: 25. harmonic voltage L3	s		
3436	uint	RD	UTC timestamp, max. value: 1. harmonic current L1	s		
3438	uint	RD	UTC timestamp, max. value: 3. harmonic current L1	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
3440	uint	RD	UTC timestamp, max. value: 5. harmonic current L1	s		
3442	uint	RD	UTC timestamp, max. value: 7. harmonic current L1	s		
3444	uint	RD	UTC timestamp, max. value: 9. harmonic current L1	s		
3446	uint	RD	UTC timestamp, max. value: 11. harmonic current L1	s		
3448	uint	RD	UTC timestamp, max. value: 13. harmonic current L1	s		
3450	uint	RD	UTC timestamp, max. value: 15. harmonic current L1	s		
3452	uint	RD	UTC timestamp, max. value: 17. harmonic current L1	s		
3454	uint	RD	UTC timestamp, max. value: 19. harmonic current L1	s		
3456	uint	RD	UTC timestamp, max. value: 21. harmonic current L1	s		
3458	uint	RD	UTC timestamp, max. value: 23. harmonic current L1	s		
3460	uint	RD	UTC timestamp, max. value: 25. harmonic current L1	s		
3462	uint	RD	UTC timestamp, max. value: 1. harmonic current L2	s		
3464	uint	RD	UTC timestamp, max. value: 3. harmonic current L2	s		
3466	uint	RD	UTC timestamp, max. value: 5. harmonic current L2	s		
3468	uint	RD	UTC timestamp, max. value: 7. harmonic current L2	s		
3470	uint	RD	UTC timestamp, max. value: 9. harmonic current L2	s		
3472	uint	RD	UTC timestamp, max. value: 11. harmonic current L2	s		
3474	uint	RD	UTC timestamp, max. value: 13. harmonic current L2	s		
3476	uint	RD	UTC timestamp, max. value: 15. harmonic current L2	s		
3478	uint	RD	UTC timestamp, max. value: 17. harmonic current L2	s		
3480	uint	RD	UTC timestamp, max. value: 19. harmonic current L2	s		
3482	uint	RD	UTC timestamp, max. value: 21. harmonic current L2	s		
3484	uint	RD	UTC timestamp, max. value: 23. harmonic current L2	s		
3486	uint	RD	UTC timestamp, max. value: 25. harmonic current L2	s		
3488	uint	RD	UTC timestamp, max. value: 1. harmonic current L3	s		
3490	uint	RD	UTC timestamp, max. value: 3. harmonic current L3	s		
3492	uint	RD	UTC timestamp, max. value: 5. harmonic current L3	s		
3494	uint	RD	UTC timestamp, max. value: 7. harmonic current L3	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
3496	uint	RD	UTC timestamp, max. value: 9. harmonic current L3	s		
3498	uint	RD	UTC timestamp, max. value: 11. harmonic current L3	s		
3500	uint	RD	UTC timestamp, max. value: 13. harmonic current L3	s		
3502	uint	RD	UTC timestamp, max. value: 15. harmonic current L3	s		
3504	uint	RD	UTC timestamp, max. value: 17. harmonic current L3	s		
3506	uint	RD	UTC timestamp, max. value: 19. harmonic current L3	s		
3508	uint	RD	UTC timestamp, max. value: 21. harmonic current L3	s		
3510	uint	RD	UTC timestamp, max. value: 23. harmonic current L3	s		
3512	uint	RD	UTC timestamp, max. value: 25. harmonic current L3	s		
9440	uint	RD	UTC timestamp, max. value: 1. harmonic voltage L1	s		
9442	uint	RD	UTC timestamp, max. value: 2. harmonic voltage L1	s		
9444	uint	RD	UTC timestamp, max. value: 3. harmonic voltage L1	s		
9446	uint	RD	UTC timestamp, max. value: 4. harmonic voltage L1	s		
9448	uint	RD	UTC timestamp, max. value: 5. harmonic voltage L1	s		
9450	uint	RD	UTC timestamp, max. value: 6. harmonic voltage L1	s		
9452	uint	RD	UTC timestamp, max. value: 7. harmonic voltage L1	s		
9454	uint	RD	UTC timestamp, max. value: 8. harmonic voltage L1	s		
9456	uint	RD	UTC timestamp, max. value: 9. harmonic voltage L1	s		
9458	uint	RD	UTC timestamp, max. value: 10. harmonic voltage L1	s		
9460	uint	RD	UTC timestamp, max. value: 11. harmonic voltage L1	s		
9462	uint	RD	UTC timestamp, max. value: 12. harmonic voltage L1	s		
9464	uint	RD	UTC timestamp, max. value: 13. harmonic voltage L1	s		
9466	uint	RD	UTC timestamp, max. value: 14. harmonic voltage L1	s		
9468	uint	RD	UTC timestamp, max. value: 15. harmonic voltage L1	s		
9470	uint	RD	UTC timestamp, max. value: 16. harmonic voltage L1	s		
9472	uint	RD	UTC timestamp, max. value: 17. harmonic voltage L1	s		
9474	uint	RD	UTC timestamp, max. value: 18. harmonic voltage L1	s		
9476	uint	RD	UTC timestamp, max. value: 19. harmonic voltage L1	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9478	uint	RD	UTC timestamp, max. value: 20. harmonic voltage L1	s		
9480	uint	RD	UTC timestamp, max. value: 21. harmonic voltage L1	s		
9482	uint	RD	UTC timestamp, max. value: 22. harmonic voltage L1	s		
9484	uint	RD	UTC timestamp, max. value: 23. harmonic voltage L1	s		
9486	uint	RD	UTC timestamp, max. value: 24. harmonic voltage L1	s		
9488	uint	RD	UTC timestamp, max. value: 25. harmonic voltage L1	s		
9490	uint	RD	UTC timestamp, max. value: 26. harmonic voltage L1	s		
9492	uint	RD	UTC timestamp, max. value: 27. harmonic voltage L1	s		
9494	uint	RD	UTC timestamp, max. value: 28. harmonic voltage L1	s		
9496	uint	RD	UTC timestamp, max. value: 29. harmonic voltage L1	s		
9498	uint	RD	UTC timestamp, max. value: 30. harmonic voltage L1	s		
9500	uint	RD	UTC timestamp, max. value: 31. harmonic voltage L1	s		
9502	uint	RD	UTC timestamp, max. value: 32. harmonic voltage L1	s		
9504	uint	RD	UTC timestamp, max. value: 33. harmonic voltage L1	s		
9506	uint	RD	UTC timestamp, max. value: 34. harmonic voltage L1	s		
9508	uint	RD	UTC timestamp, max. value: 35. harmonic voltage L1	s		
9510	uint	RD	UTC timestamp, max. value: 36. harmonic voltage L1	s		
9512	uint	RD	UTC timestamp, max. value: 37. harmonic voltage L1	s		
9514	uint	RD	UTC timestamp, max. value: 38. harmonic voltage L1	s		
9516	uint	RD	UTC timestamp, max. value: 39. harmonic voltage L1	s		
9518	uint	RD	UTC timestamp, max. value: 40. harmonic voltage L1	s		
9520	uint	RD	UTC timestamp, max. value: 1. harmonic voltage L2	s		
9522	uint	RD	UTC timestamp, max. value: 2. harmonic voltage L2	s		
9524	uint	RD	UTC timestamp, max. value: 3. harmonic voltage L2	s		
9526	uint	RD	UTC timestamp, max. value: 4. harmonic voltage L2	s		
9528	uint	RD	UTC timestamp, max. value: 5. harmonic voltage L2	s		
9530	uint	RD	UTC timestamp, max. value: 6. harmonic voltage L2	s		
9532	uint	RD	UTC timestamp, max. value: 7. harmonic voltage L2	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9534	uint	RD	UTC timestamp, max. value: 8. harmonic voltage L2	s		
9536	uint	RD	UTC timestamp, max. value: 9. harmonic voltage L2	s		
9538	uint	RD	UTC timestamp, max. value: 10. harmonic voltage L2	s		
9540	uint	RD	UTC timestamp, max. value: 11. harmonic voltage L2	s		
9542	uint	RD	UTC timestamp, max. value: 12. harmonic voltage L2	s		
9544	uint	RD	UTC timestamp, max. value: 13. harmonic voltage L2	s		
9546	uint	RD	UTC timestamp, max. value: 14. harmonic voltage L2	s		
9548	uint	RD	UTC timestamp, max. value: 15. harmonic voltage L2	s		
9550	uint	RD	UTC timestamp, max. value: 16. harmonic voltage L2	s		
9552	uint	RD	UTC timestamp, max. value: 17. harmonic voltage L2	s		
9554	uint	RD	UTC timestamp, max. value: 18. harmonic voltage L2	s		
9556	uint	RD	UTC timestamp, max. value: 19. harmonic voltage L2	s		
9558	uint	RD	UTC timestamp, max. value: 20. harmonic voltage L2	s		
9560	uint	RD	UTC timestamp, max. value: 21. harmonic voltage L2	s		
9562	uint	RD	UTC timestamp, max. value: 22. harmonic voltage L2	s		
9564	uint	RD	UTC timestamp, max. value: 23. harmonic voltage L2	s		
9566	uint	RD	UTC timestamp, max. value: 24. harmonic voltage L2	s		
9568	uint	RD	UTC timestamp, max. value: 25. harmonic voltage L2	s		
9570	uint	RD	UTC timestamp, max. value: 26. harmonic voltage L2	s		
9572	uint	RD	UTC timestamp, max. value: 27. harmonic voltage L2	s		
9574	uint	RD	UTC timestamp, max. value: 28. harmonic voltage L2	s		
9576	uint	RD	UTC timestamp, max. value: 29. harmonic voltage L2	s		
9578	uint	RD	UTC timestamp, max. value: 30. harmonic voltage L2	s		
9580	uint	RD	UTC timestamp, max. value: 31. harmonic voltage L2	s		
9582	uint	RD	UTC timestamp, max. value: 32. harmonic voltage L2	s		
9584	uint	RD	UTC timestamp, max. value: 33. harmonic voltage L2	s		
9586	uint	RD	UTC timestamp, max. value: 34. harmonic voltage L2	s		
9588	uint	RD	UTC timestamp, max. value: 35. harmonic voltage L2	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9590	uint	RD	UTC timestamp, max. value: 36. harmonic voltage L2	s		
9592	uint	RD	UTC timestamp, max. value: 37. harmonic voltage L2	s		
9594	uint	RD	UTC timestamp, max. value: 38. harmonic voltage L2	s		
9596	uint	RD	UTC timestamp, max. value: 39. harmonic voltage L2	s		
9598	uint	RD	UTC timestamp, max. value: 40. harmonic voltage L2	s		
9600	uint	RD	UTC timestamp, max. value: 1. harmonic voltage L3	s		
9602	uint	RD	UTC timestamp, max. value: 2. harmonic voltage L3	s		
9604	uint	RD	UTC timestamp, max. value: 3. harmonic voltage L3	s		
9606	uint	RD	UTC timestamp, max. value: 4. harmonic voltage L3	s		
9608	uint	RD	UTC timestamp, max. value: 5. harmonic voltage L3	s		
9610	uint	RD	UTC timestamp, max. value: 6. harmonic voltage L3	s		
9612	uint	RD	UTC timestamp, max. value: 7. harmonic voltage L3	s		
9614	uint	RD	UTC timestamp, max. value: 8. harmonic voltage L3	s		
9616	uint	RD	UTC timestamp, max. value: 9. harmonic voltage L3	s		
9618	uint	RD	UTC timestamp, max. value: 10. harmonic voltage L3	s		
9620	uint	RD	UTC timestamp, max. value: 11. harmonic voltage L3	s		
9622	uint	RD	UTC timestamp, max. value: 12. harmonic voltage L3	s		
9624	uint	RD	UTC timestamp, max. value: 13. harmonic voltage L3	s		
9626	uint	RD	UTC timestamp, max. value: 14. harmonic voltage L3	s		
9628	uint	RD	UTC timestamp, max. value: 15. harmonic voltage L3	s		
9630	uint	RD	UTC timestamp, max. value: 16. harmonic voltage L3	s		
9632	uint	RD	UTC timestamp, max. value: 17. harmonic voltage L3	s		
9634	uint	RD	UTC timestamp, max. value: 18. harmonic voltage L3	s		
9636	uint	RD	UTC timestamp, max. value: 19. harmonic voltage L3	s		
9638	uint	RD	UTC timestamp, max. value: 20. harmonic voltage L3	s		
9640	uint	RD	UTC timestamp, max. value: 21. harmonic voltage L3	s		
9642	uint	RD	UTC timestamp, max. value: 22. harmonic voltage L3	s		
9644	uint	RD	UTC timestamp, max. value: 23. harmonic voltage L3	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9646	uint	RD	UTC timestamp, max. value: 24. harmonic voltage L3	s		
9648	uint	RD	UTC timestamp, max. value: 25. harmonic voltage L3	s		
9650	uint	RD	UTC timestamp, max. value: 26. harmonic voltage L3	s		
9652	uint	RD	UTC timestamp, max. value: 27. harmonic voltage L3	s		
9654	uint	RD	UTC timestamp, max. value: 28. harmonic voltage L3	s		
9656	uint	RD	UTC timestamp, max. value: 29. harmonic voltage L3	s		
9658	uint	RD	UTC timestamp, max. value: 30. harmonic voltage L3	s		
9660	uint	RD	UTC timestamp, max. value: 31. harmonic voltage L3	s		
9662	uint	RD	UTC timestamp, max. value: 32. harmonic voltage L3	s		
9664	uint	RD	UTC timestamp, max. value: 33. harmonic voltage L3	s		
9666	uint	RD	UTC timestamp, max. value: 34. harmonic voltage L3	s		
9668	uint	RD	UTC timestamp, max. value: 35. harmonic voltage L3	s		
9670	uint	RD	UTC timestamp, max. value: 36. harmonic voltage L3	s		
9672	uint	RD	UTC timestamp, max. value: 37. harmonic voltage L3	s		
9674	uint	RD	UTC timestamp, max. value: 38. harmonic voltage L3	s		
9676	uint	RD	UTC timestamp, max. value: 39. harmonic voltage L3	s		
9678	uint	RD	UTC timestamp, max. value: 40. harmonic voltage L3	s		
9680	uint	RD	UTC timestamp, max. value: 1. harmonic current L1	s		
9682	uint	RD	UTC timestamp, max. value: 2. harmonic current L1	s		
9684	uint	RD	UTC timestamp, max. value: 3. harmonic current L1	s		
9686	uint	RD	UTC timestamp, max. value: 4. harmonic current L1	s		
9688	uint	RD	UTC timestamp, max. value: 5. harmonic current L1	s		
9690	uint	RD	UTC timestamp, max. value: 6. harmonic current L1	s		
9692	uint	RD	UTC timestamp, max. value: 7. harmonic current L1	s		
9694	uint	RD	UTC timestamp, max. value: 8. harmonic current L1	s		
9696	uint	RD	UTC timestamp, max. value: 9. harmonic current L1	s		
9698	uint	RD	UTC timestamp, max. value: 10. harmonic current L1	s		
9700	uint	RD	UTC timestamp, max. value: 11. harmonic current L1	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9702	uint	RD	UTC timestamp, max. value: 12. harmonic current L1	s		
9704	uint	RD	UTC timestamp, max. value: 13. harmonic current L1	s		
9706	uint	RD	UTC timestamp, max. value: 14. harmonic current L1	s		
9708	uint	RD	UTC timestamp, max. value: 15. harmonic current L1	s		
9710	uint	RD	UTC timestamp, max. value: 16. harmonic current L1	s		
9712	uint	RD	UTC timestamp, max. value: 17. harmonic current L1	s		
9714	uint	RD	UTC timestamp, max. value: 18. harmonic current L1	s		
9716	uint	RD	UTC timestamp, max. value: 19. harmonic current L1	s		
9718	uint	RD	UTC timestamp, max. value: 20. harmonic current L1	s		
9720	uint	RD	UTC timestamp, max. value: 21. harmonic current L1	s		
9722	uint	RD	UTC timestamp, max. value: 22. harmonic current L1	s		
9724	uint	RD	UTC timestamp, max. value: 23. harmonic current L1	s		
9726	uint	RD	UTC timestamp, max. value: 24. harmonic current L1	s		
9728	uint	RD	UTC timestamp, max. value: 25. harmonic current L1	s		
9730	uint	RD	UTC timestamp, max. value: 26. harmonic current L1	s		
9732	uint	RD	UTC timestamp, max. value: 27. harmonic current L1	s		
9734	uint	RD	UTC timestamp, max. value: 28. harmonic current L1	s		
9736	uint	RD	UTC timestamp, max. value: 29. harmonic current L1	s		
9738	uint	RD	UTC timestamp, max. value: 30. harmonic current L1	s		
9740	uint	RD	UTC timestamp, max. value: 31. harmonic current L1	s		
9742	uint	RD	UTC timestamp, max. value: 32. harmonic current L1	s		
9744	uint	RD	UTC timestamp, max. value: 33. harmonic current L1	s		
9746	uint	RD	UTC timestamp, max. value: 34. harmonic current L1	s		
9748	uint	RD	UTC timestamp, max. value: 35. harmonic current L1	s		
9750	uint	RD	UTC timestamp, max. value: 36. harmonic current L1	s		
9752	uint	RD	UTC timestamp, max. value: 37. harmonic current L1	s		
9754	uint	RD	UTC timestamp, max. value: 38. harmonic current L1	s		
9756	uint	RD	UTC timestamp, max. value: 39. harmonic current L1	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9758	uint	RD	UTC timestamp, max. value: 40. harmonic current L1	s		
9760	uint	RD	UTC timestamp, max. value: 1. harmonic current L2	s		
9762	uint	RD	UTC timestamp, max. value: 2. harmonic current L2	s		
9764	uint	RD	UTC timestamp, max. value: 3. harmonic current L2	s		
9766	uint	RD	UTC timestamp, max. value: 4. harmonic current L2	s		
9768	uint	RD	UTC timestamp, max. value: 5. harmonic current L2	s		
9770	uint	RD	UTC timestamp, max. value: 6. harmonic current L2	s		
9772	uint	RD	UTC timestamp, max. value: 7. harmonic current L2	s		
9774	uint	RD	UTC timestamp, max. value: 8. harmonic current L2	s		
9776	uint	RD	UTC timestamp, max. value: 9. harmonic current L2	s		
9778	uint	RD	UTC timestamp, max. value: 10. harmonic current L2	s		
9780	uint	RD	UTC timestamp, max. value: 11. harmonic current L2	s		
9782	uint	RD	UTC timestamp, max. value: 12. harmonic current L2	s		
9784	uint	RD	UTC timestamp, max. value: 13. harmonic current L2	s		
9786	uint	RD	UTC timestamp, max. value: 14. harmonic current L2	s		
9788	uint	RD	UTC timestamp, max. value: 15. harmonic current L2	s		
9790	uint	RD	UTC timestamp, max. value: 16. harmonic current L2	s		
9792	uint	RD	UTC timestamp, max. value: 17. harmonic current L2	s		
9794	uint	RD	UTC timestamp, max. value: 18. harmonic current L2	s		
9796	uint	RD	UTC timestamp, max. value: 19. harmonic current L2	s		
9798	uint	RD	UTC timestamp, max. value: 20. harmonic current L2	s		
9800	uint	RD	UTC timestamp, max. value: 21. harmonic current L2	s		
9802	uint	RD	UTC timestamp, max. value: 22. harmonic current L2	s		
9804	uint	RD	UTC timestamp, max. value: 23. harmonic current L2	s		
9806	uint	RD	UTC timestamp, max. value: 24. harmonic current L2	s		
9808	uint	RD	UTC timestamp, max. value: 25. harmonic current L2	s		
9810	uint	RD	UTC timestamp, max. value: 26. harmonic current L2	s		
9812	uint	RD	UTC timestamp, max. value: 27. harmonic current L2	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9814	uint	RD	UTC timestamp, max. value: 28. harmonic current L2	s		
9816	uint	RD	UTC timestamp, max. value: 29. harmonic current L2	s		
9818	uint	RD	UTC timestamp, max. value: 30. harmonic current L2	s		
9820	uint	RD	UTC timestamp, max. value: 31. harmonic current L2	s		
9822	uint	RD	UTC timestamp, max. value: 32. harmonic current L2	s		
9824	uint	RD	UTC timestamp, max. value: 33. harmonic current L2	s		
9826	uint	RD	UTC timestamp, max. value: 34. harmonic current L2	s		
9828	uint	RD	UTC timestamp, max. value: 35. harmonic current L2	s		
9830	uint	RD	UTC timestamp, max. value: 36. harmonic current L2	s		
9832	uint	RD	UTC timestamp, max. value: 37. harmonic current L2	s		
9834	uint	RD	UTC timestamp, max. value: 38. harmonic current L2	s		
9836	uint	RD	UTC timestamp, max. value: 39. harmonic current L2	s		
9838	uint	RD	UTC timestamp, max. value: 40. harmonic current L2	s		
9840	uint	RD	UTC timestamp, max. value: 1. harmonic current L3	s		
9842	uint	RD	UTC timestamp, max. value: 2. harmonic current L3	s		
9844	uint	RD	UTC timestamp, max. value: 3. harmonic current L3	s		
9846	uint	RD	UTC timestamp, max. value: 4. harmonic current L3	s		
9848	uint	RD	UTC timestamp, max. value: 5. harmonic current L3	s		
9850	uint	RD	UTC timestamp, max. value: 6. harmonic current L3	s		
9852	uint	RD	UTC timestamp, max. value: 7. harmonic current L3	s		
9854	uint	RD	UTC timestamp, max. value: 8. harmonic current L3	s		
9856	uint	RD	UTC timestamp, max. value: 9. harmonic current L3	s		
9858	uint	RD	UTC timestamp, max. value: 10. harmonic current L3	s		
9860	uint	RD	UTC timestamp, max. value: 11. harmonic current L3	s		
9862	uint	RD	UTC timestamp, max. value: 12. harmonic current L3	s		
9864	uint	RD	UTC timestamp, max. value: 13. harmonic current L3	s		
9866	uint	RD	UTC timestamp, max. value: 14. harmonic current L3	s		
9868	uint	RD	UTC timestamp, max. value: 15. harmonic current L3	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9870	uint	RD	UTC timestamp, max. value: 16. harmonic current L3	s		
9872	uint	RD	UTC timestamp, max. value: 17. harmonic current L3	s		
9874	uint	RD	UTC timestamp, max. value: 18. harmonic current L3	s		
9876	uint	RD	UTC timestamp, max. value: 19. harmonic current L3	s		
9878	uint	RD	UTC timestamp, max. value: 20. harmonic current L3	s		
9880	uint	RD	UTC timestamp, max. value: 21. harmonic current L3	s		
9882	uint	RD	UTC timestamp, max. value: 22. harmonic current L3	s		
9884	uint	RD	UTC timestamp, max. value: 23. harmonic current L3	s		
9886	uint	RD	UTC timestamp, max. value: 24. harmonic current L3	s		
9888	uint	RD	UTC timestamp, max. value: 25. harmonic current L3	s		
9890	uint	RD	UTC timestamp, max. value: 26. harmonic current L3	s		
9892	uint	RD	UTC timestamp, max. value: 27. harmonic current L3	s		
9894	uint	RD	UTC timestamp, max. value: 28. harmonic current L3	s		
9896	uint	RD	UTC timestamp, max. value: 29. harmonic current L3	s		
9898	uint	RD	UTC timestamp, max. value: 30. harmonic current L3	s		
9900	uint	RD	UTC timestamp, max. value: 31. harmonic current L3	s		
9902	uint	RD	UTC timestamp, max. value: 32. harmonic current L3	s		
9904	uint	RD	UTC timestamp, max. value: 33. harmonic current L3	s		
9906	uint	RD	UTC timestamp, max. value: 34. harmonic current L3	s		
9908	uint	RD	UTC timestamp, max. value: 35. harmonic current L3	s		
9910	uint	RD	UTC timestamp, max. value: 36. harmonic current L3	s		
9912	uint	RD	UTC timestamp, max. value: 37. harmonic current L3	s		
9914	uint	RD	UTC timestamp, max. value: 38. harmonic current L3	s		
9916	uint	RD	UTC timestamp, max. value: 39. harmonic current L3	s		
9918	uint	RD	UTC timestamp, max. value: 40. harmonic current L3	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
Minimalwerte, Fourieranalyse						
4020	float	RD	Min. value: 1. harmonic voltage L1	V		
4022	float	RD	Min. value: 3. harmonic voltage L1	V		
4024	float	RD	Min. value: 5. harmonic voltage L1	V		
4026	float	RD	Min. value: 7. harmonic voltage L1	V		
4028	float	RD	Min. value: 9. harmonic voltage L1	V		
4030	float	RD	Min. value: 11. harmonic voltage L1	V		
4032	float	RD	Min. value: 13. harmonic voltage L1	V		
4034	float	RD	Min. value: 15. harmonic voltage L1	V		
4036	float	RD	Min. value: 17. harmonic voltage L1	V		
4038	float	RD	Min. value: 19. harmonic voltage L1	V		
4040	float	RD	Min. value: 21. harmonic voltage L1	V		
4042	float	RD	Min. value: 23. harmonic voltage L1	V		
4044	float	RD	Min. value: 25. harmonic voltage L1	V		
4046	float	RD	Min. value: 1. harmonic voltage L2	V		
4048	float	RD	Min. value: 3. harmonic voltage L2	V		
4050	float	RD	Min. value: 5. harmonic voltage L2	V		
4052	float	RD	Min. value: 7. harmonic voltage L2	V		
4054	float	RD	Min. value: 9. harmonic voltage L2	V		
4056	float	RD	Min. value: 11. harmonic voltage L2	V		
4058	float	RD	Min. value: 13. harmonic voltage L2	V		
4060	float	RD	Min. value: 15. harmonic voltage L2	V		
4062	float	RD	Min. value: 17. harmonic voltage L2	V		
4064	float	RD	Min. value: 19. harmonic voltage L2	V		
4066	float	RD	Min. value: 21. harmonic voltage L2	V		
4068	float	RD	Min. value: 23. harmonic voltage L2	V		
4070	float	RD	Min. value: 25. harmonic voltage L2	V		
4072	float	RD	Min. value: 1. harmonic voltage L3	V		
4074	float	RD	Min. value: 3. harmonic voltage L3	V		
4076	float	RD	Min. value: 5. harmonic voltage L3	V		
4078	float	RD	Min. value: 7. harmonic voltage L3	V		
4080	float	RD	Min. value: 9. harmonic voltage L3	V		
4082	float	RD	Min. value: 11. harmonic voltage L3	V		
4084	float	RD	Min. value: 13. harmonic voltage L3	V		
4086	float	RD	Min. value: 15. harmonic voltage L3	V		
4088	float	RD	Min. value: 17. harmonic voltage L3	V		
4090	float	RD	Min. value: 19. harmonic voltage L3	V		
4092	float	RD	Min. value: 21. harmonic voltage L3	V		
4094	float	RD	Min. value: 23. harmonic voltage L3	V		
4096	float	RD	Min. value: 25. harmonic voltage L3	V		
9920	float	RD	Min. value: 1. harmonic voltage L1	V		
9922	float	RD	Min. value: 2. harmonic voltage L1	V		
9924	float	RD	Min. value: 3. harmonic voltage L1	V		
9926	float	RD	Min. value: 4. harmonic voltage L1	V		
9928	float	RD	Min. value: 5. harmonic voltage L1	V		
9930	float	RD	Min. value: 6. harmonic voltage L1	V		
9932	float	RD	Min. value: 7. harmonic voltage L1	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
9934	float	RD	Min. value: 8. harmonic voltage L1	V		
9936	float	RD	Min. value: 9. harmonic voltage L1	V		
9938	float	RD	Min. value: 10. harmonic voltage L1	V		
9940	float	RD	Min. value: 11. harmonic voltage L1	V		
9942	float	RD	Min. value: 12. harmonic voltage L1	V		
9944	float	RD	Min. value: 13. harmonic voltage L1	V		
9946	float	RD	Min. value: 14. harmonic voltage L1	V		
9948	float	RD	Min. value: 15. harmonic voltage L1	V		
9950	float	RD	Min. value: 16. harmonic voltage L1	V		
9952	float	RD	Min. value: 17. harmonic voltage L1	V		
9954	float	RD	Min. value: 18. harmonic voltage L1	V		
9956	float	RD	Min. value: 19. harmonic voltage L1	V		
9958	float	RD	Min. value: 20. harmonic voltage L1	V		
9960	float	RD	Min. value: 21. harmonic voltage L1	V		
9962	float	RD	Min. value: 22. harmonic voltage L1	V		
9964	float	RD	Min. value: 23. harmonic voltage L1	V		
9966	float	RD	Min. value: 24. harmonic voltage L1	V		
9968	float	RD	Min. value: 25. harmonic voltage L1	V		
9970	float	RD	Min. value: 26. harmonic voltage L1	V		
9972	float	RD	Min. value: 27. harmonic voltage L1	V		
9974	float	RD	Min. value: 28. harmonic voltage L1	V		
9976	float	RD	Min. value: 29. harmonic voltage L1	V		
9978	float	RD	Min. value: 30. harmonic voltage L1	V		
9980	float	RD	Min. value: 31. harmonic voltage L1	V		
9982	float	RD	Min. value: 32. harmonic voltage L1	V		
9984	float	RD	Min. value: 33. harmonic voltage L1	V		
9986	float	RD	Min. value: 34. harmonic voltage L1	V		
9988	float	RD	Min. value: 35. harmonic voltage L1	V		
9990	float	RD	Min. value: 36. harmonic voltage L1	V		
9992	float	RD	Min. value: 37. harmonic voltage L1	V		
9994	float	RD	Min. value: 38. harmonic voltage L1	V		
9996	float	RD	Min. value: 39. harmonic voltage L1	V		
9998	float	RD	Min. value: 40. harmonic voltage L1	V		
10000	float	RD	Min. value: 1. harmonic voltage L2	V		
10002	float	RD	Min. value: 2. harmonic voltage L2	V		
10004	float	RD	Min. value: 3. harmonic voltage L2	V		
10006	float	RD	Min. value: 4. harmonic voltage L2	V		
10008	float	RD	Min. value: 5. harmonic voltage L2	V		
10010	float	RD	Min. value: 6. harmonic voltage L2	V		
10012	float	RD	Min. value: 7. harmonic voltage L2	V		
10014	float	RD	Min. value: 8. harmonic voltage L2	V		
10016	float	RD	Min. value: 9. harmonic voltage L2	V		
10018	float	RD	Min. value: 10. harmonic voltage L2	V		
10020	float	RD	Min. value: 11. harmonic voltage L2	V		
10022	float	RD	Min. value: 12. harmonic voltage L2	V		
10024	float	RD	Min. value: 13. harmonic voltage L2	V		
10026	float	RD	Min. value: 14. harmonic voltage L2	V		
10028	float	RD	Min. value: 15. harmonic voltage L2	V		
10030	float	RD	Min. value: 16. harmonic voltage L2	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
10032	float	RD	Min. value: 17. harmonic voltage L2	V		
10034	float	RD	Min. value: 18. harmonic voltage L2	V		
10036	float	RD	Min. value: 19. harmonic voltage L2	V		
10038	float	RD	Min. value: 20. harmonic voltage L2	V		
10040	float	RD	Min. value: 21. harmonic voltage L2	V		
10042	float	RD	Min. value: 22. harmonic voltage L2	V		
10044	float	RD	Min. value: 23. harmonic voltage L2	V		
10046	float	RD	Min. value: 24. harmonic voltage L2	V		
10048	float	RD	Min. value: 25. harmonic voltage L2	V		
10050	float	RD	Min. value: 26. harmonic voltage L2	V		
10052	float	RD	Min. value: 27. harmonic voltage L2	V		
10054	float	RD	Min. value: 28. harmonic voltage L2	V		
10056	float	RD	Min. value: 29. harmonic voltage L2	V		
10058	float	RD	Min. value: 30. harmonic voltage L2	V		
10060	float	RD	Min. value: 31. harmonic voltage L2	V		
10062	float	RD	Min. value: 32. harmonic voltage L2	V		
10064	float	RD	Min. value: 33. harmonic voltage L2	V		
10066	float	RD	Min. value: 34. harmonic voltage L2	V		
10068	float	RD	Min. value: 35. harmonic voltage L2	V		
10070	float	RD	Min. value: 36. harmonic voltage L2	V		
10072	float	RD	Min. value: 37. harmonic voltage L2	V		
10074	float	RD	Min. value: 38. harmonic voltage L2	V		
10076	float	RD	Min. value: 39. harmonic voltage L2	V		
10078	float	RD	Min. value: 40. harmonic voltage L2	V		
10080	float	RD	Min. value: 1. harmonic voltage L3	V		
10082	float	RD	Min. value: 2. harmonic voltage L3	V		
10084	float	RD	Min. value: 3. harmonic voltage L3	V		
10086	float	RD	Min. value: 4. harmonic voltage L3	V		
10088	float	RD	Min. value: 5. harmonic voltage L3	V		
10090	float	RD	Min. value: 6. harmonic voltage L3	V		
10092	float	RD	Min. value: 7. harmonic voltage L3	V		
10094	float	RD	Min. value: 8. harmonic voltage L3	V		
10096	float	RD	Min. value: 9. harmonic voltage L3	V		
10098	float	RD	Min. value: 10. harmonic voltage L3	V		
10100	float	RD	Min. value: 11. harmonic voltage L3	V		
10102	float	RD	Min. value: 12. harmonic voltage L3	V		
10104	float	RD	Min. value: 13. harmonic voltage L3	V		
10106	float	RD	Min. value: 14. harmonic voltage L3	V		
10108	float	RD	Min. value: 15. harmonic voltage L3	V		
10110	float	RD	Min. value: 16. harmonic voltage L3	V		
10112	float	RD	Min. value: 17. harmonic voltage L3	V		
10114	float	RD	Min. value: 18. harmonic voltage L3	V		
10116	float	RD	Min. value: 19. harmonic voltage L3	V		
10118	float	RD	Min. value: 20. harmonic voltage L3	V		
10120	float	RD	Min. value: 21. harmonic voltage L3	V		
10122	float	RD	Min. value: 22. harmonic voltage L3	V		
10124	float	RD	Min. value: 23. harmonic voltage L3	V		
10126	float	RD	Min. value: 24. harmonic voltage L3	V		
10128	float	RD	Min. value: 25. harmonic voltage L3	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
10130	float	RD	Min. value: 26. harmonic voltage L3	V		
10132	float	RD	Min. value: 27. harmonic voltage L3	V		
10134	float	RD	Min. value: 28. harmonic voltage L3	V		
10136	float	RD	Min. value: 29. harmonic voltage L3	V		
10138	float	RD	Min. value: 30. harmonic voltage L3	V		
10140	float	RD	Min. value: 31. harmonic voltage L3	V		
10142	float	RD	Min. value: 32. harmonic voltage L3	V		
10144	float	RD	Min. value: 33. harmonic voltage L3	V		
10146	float	RD	Min. value: 34. harmonic voltage L3	V		
10148	float	RD	Min. value: 35. harmonic voltage L3	V		
10150	float	RD	Min. value: 36. harmonic voltage L3	V		
10152	float	RD	Min. value: 37. harmonic voltage L3	V		
10154	float	RD	Min. value: 38. harmonic voltage L3	V		
10156	float	RD	Min. value: 39. harmonic voltage L3	V		
10158	float	RD	Min. value: 40. harmonic voltage L3	V		
14010	short (x10)	RD	Min. value: 1. harmonic voltage L1	V		
14011	short (x10)	RD	Min. value: 3. harmonic voltage L1	V		
14012	short (x10)	RD	Min. value: 5. harmonic voltage L1	V		
14013	short (x10)	RD	Min. value: 7. harmonic voltage L1	V		
14014	short (x10)	RD	Min. value: 9. harmonic voltage L1	V		
14015	short (x10)	RD	Min. value: 11. harmonic voltage L1	V		
14016	short (x10)	RD	Min. value: 13. harmonic voltage L1	V		
14017	short (x10)	RD	Min. value: 15. harmonic voltage L1	V		
14018	short (x10)	RD	Min. value: 17. harmonic voltage L1	V		
14019	short (x10)	RD	Min. value: 19. harmonic voltage L1	V		
14020	short (x10)	RD	Min. value: 21. harmonic voltage L1	V		
14021	short (x10)	RD	Min. value: 23. harmonic voltage L1	V		
14022	short (x10)	RD	Min. value: 25. harmonic voltage L1	V		
14023	short (x10)	RD	Min. value: 1. harmonic voltage L2	V		
14024	short (x10)	RD	Min. value: 3. harmonic voltage L2	V		
14025	short (x10)	RD	Min. value: 5. harmonic voltage L2	V		
14026	short (x10)	RD	Min. value: 7. harmonic voltage L2	V		
14027	short (x10)	RD	Min. value: 9. harmonic voltage L2	V		
14028	short (x10)	RD	Min. value: 11. harmonic voltage L2	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
14029	short (x10)	RD	Min. value: 13. harmonic voltage L2	V		
14030	short (x10)	RD	Min. value: 15. harmonic voltage L2	V		
14031	short (x10)	RD	Min. value: 17. harmonic voltage L2	V		
14032	short (x10)	RD	Min. value: 19. harmonic voltage L2	V		
14033	short (x10)	RD	Min. value: 21. harmonic voltage L2	V		
14034	short (x10)	RD	Min. value: 23. harmonic voltage L2	V		
14035	short (x10)	RD	Min. value: 25. harmonic voltage L2	V		
14036	short (x10)	RD	Min. value: 1. harmonic voltage L3	V		
14037	short (x10)	RD	Min. value: 3. harmonic voltage L3	V		
14038	short (x10)	RD	Min. value: 5. harmonic voltage L3	V		
14039	short (x10)	RD	Min. value: 7. harmonic voltage L3	V		
14040	short (x10)	RD	Min. value: 9. harmonic voltage L3	V		
14041	short (x10)	RD	Min. value: 11. harmonic voltage L3	V		
14042	short (x10)	RD	Min. value: 13. harmonic voltage L3	V		
14043	short (x10)	RD	Min. value: 15. harmonic voltage L3	V		
14044	short (x10)	RD	Min. value: 17. harmonic voltage L3	V		
14045	short (x10)	RD	Min. value: 19. harmonic voltage L3	V		
14046	short (x10)	RD	Min. value: 21. harmonic voltage L3	V		
14047	short (x10)	RD	Min. value: 23. harmonic voltage L3	V		
14048	short (x10)	RD	Min. value: 25. harmonic voltage L3	V		

Minimalwerte, Zeitstempel, Fourieranalyse

4220	uint	RD	UTC timestamp, min. value: 1. harmonic voltage L1	s
4222	uint	RD	UTC timestamp, min. value: 3. harmonic voltage L1	s
4224	uint	RD	UTC timestamp, min. value: 5. harmonic voltage L1	s
4226	uint	RD	UTC timestamp, min. value: 7. harmonic voltage L1	s
4228	uint	RD	UTC timestamp, min. value: 9. harmonic voltage L1	s

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
4230	uint	RD	UTC timestamp, min. value: 11. harmonic voltage L1	s		
4232	uint	RD	UTC timestamp, min. value: 13. harmonic voltage L1	s		
4234	uint	RD	UTC timestamp, min. value: 15. harmonic voltage L1	s		
4236	uint	RD	UTC timestamp, min. value: 17. harmonic voltage L1	s		
4238	uint	RD	UTC timestamp, min. value: 19. harmonic voltage L1	s		
4240	uint	RD	UTC timestamp, min. value: 21. harmonic voltage L1	s		
4242	uint	RD	UTC timestamp, min. value: 23. harmonic voltage L1	s		
4244	uint	RD	UTC timestamp, min. value: 25. harmonic voltage L1	s		
4246	uint	RD	UTC timestamp, min. value: 1. harmonic voltage L2	s		
4248	uint	RD	UTC timestamp, min. value: 3. harmonic voltage L2	s		
4250	uint	RD	UTC timestamp, min. value: 5. harmonic voltage L2	s		
4252	uint	RD	UTC timestamp, min. value: 7. harmonic voltage L2	s		
4254	uint	RD	UTC timestamp, min. value: 9. harmonic voltage L2	s		
4256	uint	RD	UTC timestamp, min. value: 11. harmonic voltage L2	s		
4258	uint	RD	UTC timestamp, min. value: 13. harmonic voltage L2	s		
4260	uint	RD	UTC timestamp, min. value: 15. harmonic voltage L2	s		
4262	uint	RD	UTC timestamp, min. value: 17. harmonic voltage L2	s		
4264	uint	RD	UTC timestamp, min. value: 19. harmonic voltage L2	s		
4266	uint	RD	UTC timestamp, min. value: 21. harmonic voltage L2	s		
4268	uint	RD	UTC timestamp, min. value: 23. harmonic voltage L2	s		
4270	uint	RD	UTC timestamp, min. value: 25. harmonic voltage L2	s		
4272	uint	RD	UTC timestamp, min. value: 1. harmonic voltage L3	s		
4274	uint	RD	UTC timestamp, min. value: 3. harmonic voltage L3	s		
4276	uint	RD	UTC timestamp, min. value: 5. harmonic voltage L3	s		
4278	uint	RD	UTC timestamp, min. value: 7. harmonic voltage L3	s		
4280	uint	RD	UTC timestamp, min. value: 9. harmonic voltage L3	s		
4282	uint	RD	UTC timestamp, min. value: 11. harmonic voltage L3	s		
4284	uint	RD	UTC timestamp, min. value: 13. harmonic voltage L3	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
4286	uint	RD	UTC timestamp, min. value: 15. harmonic voltage L3	s		
4288	uint	RD	UTC timestamp, min. value: 17. harmonic voltage L3	s		
4290	uint	RD	UTC timestamp, min. value: 19. harmonic voltage L3	s		
4292	uint	RD	UTC timestamp, min. value: 21. harmonic voltage L3	s		
4294	uint	RD	UTC timestamp, min. value: 23. harmonic voltage L3	s		
4296	uint	RD	UTC timestamp, min. value: 25. harmonic voltage L3	s		
10160	uint	RD	UTC timestamp, min. value: 1. harmonic voltage L1	s		
10162	uint	RD	UTC timestamp, min. value: 2. harmonic voltage L1	s		
10164	uint	RD	UTC timestamp, min. value: 3. harmonic voltage L1	s		
10166	uint	RD	UTC timestamp, min. value: 4. harmonic voltage L1	s		
10168	uint	RD	UTC timestamp, min. value: 5. harmonic voltage L1	s		
10170	uint	RD	UTC timestamp, min. value: 6. harmonic voltage L1	s		
10172	uint	RD	UTC timestamp, min. value: 7. harmonic voltage L1	s		
10174	uint	RD	UTC timestamp, min. value: 8. harmonic voltage L1	s		
10176	uint	RD	UTC timestamp, min. value: 9. harmonic voltage L1	s		
10178	uint	RD	UTC timestamp, min. value: 10. harmonic voltage L1	s		
10180	uint	RD	UTC timestamp, min. value: 11. harmonic voltage L1	s		
10182	uint	RD	UTC timestamp, min. value: 12. harmonic voltage L1	s		
10184	uint	RD	UTC timestamp, min. value: 13. harmonic voltage L1	s		
10186	uint	RD	UTC timestamp, min. value: 14. harmonic voltage L1	s		
10188	uint	RD	UTC timestamp, min. value: 15. harmonic voltage L1	s		
10190	uint	RD	UTC timestamp, min. value: 16. harmonic voltage L1	s		
10192	uint	RD	UTC timestamp, min. value: 17. harmonic voltage L1	s		
10194	uint	RD	UTC timestamp, min. value: 18. harmonic voltage L1	s		
10196	uint	RD	UTC timestamp, min. value: 19. harmonic voltage L1	s		
10198	uint	RD	UTC timestamp, min. value: 20. harmonic voltage L1	s		
10200	uint	RD	UTC timestamp, min. value: 21. harmonic voltage L1	s		
10202	uint	RD	UTC timestamp, min. value: 22. harmonic voltage L1	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
10204	uint	RD	UTC timestamp, min. value: 23. harmonic voltage L1	s		
10206	uint	RD	UTC timestamp, min. value: 24. harmonic voltage L1	s		
10208	uint	RD	UTC timestamp, min. value: 25. harmonic voltage L1	s		
10210	uint	RD	UTC timestamp, min. value: 26. harmonic voltage L1	s		
10212	uint	RD	UTC timestamp, min. value: 27. harmonic voltage L1	s		
10214	uint	RD	UTC timestamp, min. value: 28. harmonic voltage L1	s		
10216	uint	RD	UTC timestamp, min. value: 29. harmonic voltage L1	s		
10218	uint	RD	UTC timestamp, min. value: 30. harmonic voltage L1	s		
10220	uint	RD	UTC timestamp, min. value: 31. harmonic voltage L1	s		
10222	uint	RD	UTC timestamp, min. value: 32. harmonic voltage L1	s		
10224	uint	RD	UTC timestamp, min. value: 33. harmonic voltage L1	s		
10226	uint	RD	UTC timestamp, min. value: 34. harmonic voltage L1	s		
10228	uint	RD	UTC timestamp, min. value: 35. harmonic voltage L1	s		
10230	uint	RD	UTC timestamp, min. value: 36. harmonic voltage L1	s		
10232	uint	RD	UTC timestamp, min. value: 37. harmonic voltage L1	s		
10234	uint	RD	UTC timestamp, min. value: 38. harmonic voltage L1	s		
10236	uint	RD	UTC timestamp, min. value: 39. harmonic voltage L1	s		
10238	uint	RD	UTC timestamp, min. value: 40. harmonic voltage L1	s		
10240	uint	RD	UTC timestamp, min. value: 1. harmonic voltage L2	s		
10242	uint	RD	UTC timestamp, min. value: 2. harmonic voltage L2	s		
10244	uint	RD	UTC timestamp, min. value: 3. harmonic voltage L2	s		
10246	uint	RD	UTC timestamp, min. value: 4. harmonic voltage L2	s		
10248	uint	RD	UTC timestamp, min. value: 5. harmonic voltage L2	s		
10250	uint	RD	UTC timestamp, min. value: 6. harmonic voltage L2	s		
10252	uint	RD	UTC timestamp, min. value: 7. harmonic voltage L2	s		
10254	uint	RD	UTC timestamp, min. value: 8. harmonic voltage L2	s		
10256	uint	RD	UTC timestamp, min. value: 9. harmonic voltage L2	s		
10258	uint	RD	UTC timestamp, min. value: 10. harmonic voltage L2	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
10260	uint	RD	UTC timestamp, min. value: 11. harmonic voltage L2	s		
10262	uint	RD	UTC timestamp, min. value: 12. harmonic voltage L2	s		
10264	uint	RD	UTC timestamp, min. value: 13. harmonic voltage L2	s		
10266	uint	RD	UTC timestamp, min. value: 14. harmonic voltage L2	s		
10268	uint	RD	UTC timestamp, min. value: 15. harmonic voltage L2	s		
10270	uint	RD	UTC timestamp, min. value: 16. harmonic voltage L2	s		
10272	uint	RD	UTC timestamp, min. value: 17. harmonic voltage L2	s		
10274	uint	RD	UTC timestamp, min. value: 18. harmonic voltage L2	s		
10276	uint	RD	UTC timestamp, min. value: 19. harmonic voltage L2	s		
10278	uint	RD	UTC timestamp, min. value: 20. harmonic voltage L2	s		
10280	uint	RD	UTC timestamp, min. value: 21. harmonic voltage L2	s		
10282	uint	RD	UTC timestamp, min. value: 22. harmonic voltage L2	s		
10284	uint	RD	UTC timestamp, min. value: 23. harmonic voltage L2	s		
10286	uint	RD	UTC timestamp, min. value: 24. harmonic voltage L2	s		
10288	uint	RD	UTC timestamp, min. value: 25. harmonic voltage L2	s		
10290	uint	RD	UTC timestamp, min. value: 26. harmonic voltage L2	s		
10292	uint	RD	UTC timestamp, min. value: 27. harmonic voltage L2	s		
10294	uint	RD	UTC timestamp, min. value: 28. harmonic voltage L2	s		
10296	uint	RD	UTC timestamp, min. value: 29. harmonic voltage L2	s		
10298	uint	RD	UTC timestamp, min. value: 30. harmonic voltage L2	s		
10300	uint	RD	UTC timestamp, min. value: 31. harmonic voltage L2	s		
10302	uint	RD	UTC timestamp, min. value: 32. harmonic voltage L2	s		
10304	uint	RD	UTC timestamp, min. value: 33. harmonic voltage L2	s		
10306	uint	RD	UTC timestamp, min. value: 34. harmonic voltage L2	s		
10308	uint	RD	UTC timestamp, min. value: 35. harmonic voltage L2	s		
10310	uint	RD	UTC timestamp, min. value: 36. harmonic voltage L2	s		
10312	uint	RD	UTC timestamp, min. value: 37. harmonic voltage L2	s		
10314	uint	RD	UTC timestamp, min. value: 38. harmonic voltage L2	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
10316	uint	RD	UTC timestamp, min. value: 39. harmonic voltage L2	s		
10318	uint	RD	UTC timestamp, min. value: 40. harmonic voltage L2	s		
10320	uint	RD	UTC timestamp, min. value: 1. harmonic voltage L3	s		
10322	uint	RD	UTC timestamp, min. value: 2. harmonic voltage L3	s		
10324	uint	RD	UTC timestamp, min. value: 3. harmonic voltage L3	s		
10326	uint	RD	UTC timestamp, min. value: 4. harmonic voltage L3	s		
10328	uint	RD	UTC timestamp, min. value: 5. harmonic voltage L3	s		
10330	uint	RD	UTC timestamp, min. value: 6. harmonic voltage L3	s		
10332	uint	RD	UTC timestamp, min. value: 7. harmonic voltage L3	s		
10334	uint	RD	UTC timestamp, min. value: 8. harmonic voltage L3	s		
10336	uint	RD	UTC timestamp, min. value: 9. harmonic voltage L3	s		
10338	uint	RD	UTC timestamp, min. value: 10. harmonic voltage L3	s		
10340	uint	RD	UTC timestamp, min. value: 11. harmonic voltage L3	s		
10342	uint	RD	UTC timestamp, min. value: 12. harmonic voltage L3	s		
10344	uint	RD	UTC timestamp, min. value: 13. harmonic voltage L3	s		
10346	uint	RD	UTC timestamp, min. value: 14. harmonic voltage L3	s		
10348	uint	RD	UTC timestamp, min. value: 15. harmonic voltage L3	s		
10350	uint	RD	UTC timestamp, min. value: 16. harmonic voltage L3	s		
10352	uint	RD	UTC timestamp, min. value: 17. harmonic voltage L3	s		
10354	uint	RD	UTC timestamp, min. value: 18. harmonic voltage L3	s		
10356	uint	RD	UTC timestamp, min. value: 19. harmonic voltage L3	s		
10358	uint	RD	UTC timestamp, min. value: 20. harmonic voltage L3	s		
10360	uint	RD	UTC timestamp, min. value: 21. harmonic voltage L3	s		
10362	uint	RD	UTC timestamp, min. value: 22. harmonic voltage L3	s		
10364	uint	RD	UTC timestamp, min. value: 23. harmonic voltage L3	s		
10366	uint	RD	UTC timestamp, min. value: 24. harmonic voltage L3	s		
10368	uint	RD	UTC timestamp, min. value: 25. harmonic voltage L3	s		
10370	uint	RD	UTC timestamp, min. value: 26. harmonic voltage L3	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
10372	uint	RD	UTC timestamp, min. value: 27. harmonic voltage L3	s		
10374	uint	RD	UTC timestamp, min. value: 28. harmonic voltage L3	s		
10376	uint	RD	UTC timestamp, min. value: 29. harmonic voltage L3	s		
10378	uint	RD	UTC timestamp, min. value: 30. harmonic voltage L3	s		
10380	uint	RD	UTC timestamp, min. value: 31. harmonic voltage L3	s		
10382	uint	RD	UTC timestamp, min. value: 32. harmonic voltage L3	s		
10384	uint	RD	UTC timestamp, min. value: 33. harmonic voltage L3	s		
10386	uint	RD	UTC timestamp, min. value: 34. harmonic voltage L3	s		
10388	uint	RD	UTC timestamp, min. value: 35. harmonic voltage L3	s		
10390	uint	RD	UTC timestamp, min. value: 36. harmonic voltage L3	s		
10392	uint	RD	UTC timestamp, min. value: 37. harmonic voltage L3	s		
10394	uint	RD	UTC timestamp, min. value: 38. harmonic voltage L3	s		
10396	uint	RD	UTC timestamp, min. value: 39. harmonic voltage L3	s		
10398	uint	RD	UTC timestamp, min. value: 40. harmonic voltage L3	s		

Gleitende Mittelwerte, Fourieranalyse

2058	float	RD	Mean value: 1. harmonic voltage L1	V		
2060	float	RD	Mean value: 3. harmonic voltage L1	V		
2062	float	RD	Mean value: 5. harmonic voltage L1	V		
2064	float	RD	Mean value: 7. harmonic voltage L1	V		
2066	float	RD	Mean value: 9. harmonic voltage L1	V		
2068	float	RD	Mean value: 11. harmonic voltage L1	V		
2070	float	RD	Mean value: 13. harmonic voltage L1	V		
2072	float	RD	Mean value: 15. harmonic voltage L1	V		
2074	float	RD	Mean value: 17. harmonic voltage L1	V		
2076	float	RD	Mean value: 19. harmonic voltage L1	V		
2078	float	RD	Mean value: 21. harmonic voltage L1	V		
2080	float	RD	Mean value: 23. harmonic voltage L1	V		
2082	float	RD	Mean value: 25. harmonic voltage L1	V		
2084	float	RD	Mean value: 1. harmonic voltage L2	V		
2086	float	RD	Mean value: 3. harmonic voltage L2	V		
2088	float	RD	Mean value: 5. harmonic voltage L2	V		
2090	float	RD	Mean value: 7. harmonic voltage L2	V		
2092	float	RD	Mean value: 9. harmonic voltage L2	V		
2094	float	RD	Mean value: 11. harmonic voltage L2	V		
2096	float	RD	Mean value: 13. harmonic voltage L2	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
2098	float	RD	Mean value: 15. harmonic voltage L2	V		
2100	float	RD	Mean value: 17. harmonic voltage L2	V		
2102	float	RD	Mean value: 19. harmonic voltage L2	V		
2104	float	RD	Mean value: 21. harmonic voltage L2	V		
2106	float	RD	Mean value: 23. harmonic voltage L2	V		
2108	float	RD	Mean value: 25. harmonic voltage L2	V		
2110	float	RD	Mean value: 1. harmonic voltage L3	V		
2112	float	RD	Mean value: 3. harmonic voltage L3	V		
2114	float	RD	Mean value: 5. harmonic voltage L3	V		
2116	float	RD	Mean value: 7. harmonic voltage L3	V		
2118	float	RD	Mean value: 9. harmonic voltage L3	V		
2120	float	RD	Mean value: 11. harmonic voltage L3	V		
2122	float	RD	Mean value: 13. harmonic voltage L3	V		
2124	float	RD	Mean value: 15. harmonic voltage L3	V		
2126	float	RD	Mean value: 17. harmonic voltage L3	V		
2128	float	RD	Mean value: 19. harmonic voltage L3	V		
2130	float	RD	Mean value: 21. harmonic voltage L3	V		
2132	float	RD	Mean value: 23. harmonic voltage L3	V		
2134	float	RD	Mean value: 25. harmonic voltage L3	V		
2136	float	RD	Mean value: 1. harmonic current L1	A		
2138	float	RD	Mean value: 3. harmonic current L1	A		
2140	float	RD	Mean value: 5. harmonic current L1	A		
2142	float	RD	Mean value: 7. harmonic current L1	A		
2144	float	RD	Mean value: 9. harmonic current L1	A		
2146	float	RD	Mean value: 11. harmonic current L1	A		
2148	float	RD	Mean value: 13. harmonic current L1	A		
2150	float	RD	Mean value: 15. harmonic current L1	A		
2152	float	RD	Mean value: 17. harmonic current L1	A		
2154	float	RD	Mean value: 19. harmonic current L1	A		
2156	float	RD	Mean value: 21. harmonic current L1	A		
2158	float	RD	Mean value: 23. harmonic current L1	A		
2160	float	RD	Mean value: 25. harmonic current L1	A		
2162	float	RD	Mean value: 1. harmonic current L2	A		
2164	float	RD	Mean value: 3. harmonic current L2	A		
2166	float	RD	Mean value: 5. harmonic current L2	A		
2168	float	RD	Mean value: 7. harmonic current L2	A		
2170	float	RD	Mean value: 9. harmonic current L2	A		
2172	float	RD	Mean value: 11. harmonic current L2	A		
2174	float	RD	Mean value: 13. harmonic current L2	A		
2176	float	RD	Mean value: 15. harmonic current L2	A		
2178	float	RD	Mean value: 17. harmonic current L2	A		
2180	float	RD	Mean value: 19. harmonic current L2	A		
2182	float	RD	Mean value: 21. harmonic current L2	A		
2184	float	RD	Mean value: 23. harmonic current L2	A		
2186	float	RD	Mean value: 25. harmonic current L2	A		
2188	float	RD	Mean value: 1. harmonic current L3	A		
2190	float	RD	Mean value: 3. harmonic current L3	A		
2192	float	RD	Mean value: 5. harmonic current L3	A		
2194	float	RD	Mean value: 7. harmonic current L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
2196	float	RD	Mean value: 9. harmonic current L3	A		
2198	float	RD	Mean value: 11. harmonic current L3	A		
2200	float	RD	Mean value: 13. harmonic current L3	A		
2202	float	RD	Mean value: 15. harmonic current L3	A		
2204	float	RD	Mean value: 17. harmonic current L3	A		
2206	float	RD	Mean value: 19. harmonic current L3	A		
2208	float	RD	Mean value: 21. harmonic current L3	A		
2210	float	RD	Mean value: 23. harmonic current L3	A		
2212	float	RD	Mean value: 25. harmonic current L3	A		
8480	float	RD	Mean value: 1. harmonic voltage L1	V		
8482	float	RD	Mean value: 2. harmonic voltage L1	V		
8484	float	RD	Mean value: 3. harmonic voltage L1	V		
8486	float	RD	Mean value: 4. harmonic voltage L1	V		
8488	float	RD	Mean value: 5. harmonic voltage L1	V		
8490	float	RD	Mean value: 6. harmonic voltage L1	V		
8492	float	RD	Mean value: 7. harmonic voltage L1	V		
8494	float	RD	Mean value: 8. harmonic voltage L1	V		
8496	float	RD	Mean value: 9. harmonic voltage L1	V		
8498	float	RD	Mean value: 10. harmonic voltage L1	V		
8500	float	RD	Mean value: 11. harmonic voltage L1	V		
8502	float	RD	Mean value: 12. harmonic voltage L1	V		
8504	float	RD	Mean value: 13. harmonic voltage L1	V		
8506	float	RD	Mean value: 14. harmonic voltage L1	V		
8508	float	RD	Mean value: 15. harmonic voltage L1	V		
8510	float	RD	Mean value: 16. harmonic voltage L1	V		
8512	float	RD	Mean value: 17. harmonic voltage L1	V		
8514	float	RD	Mean value: 18. harmonic voltage L1	V		
8516	float	RD	Mean value: 19. harmonic voltage L1	V		
8518	float	RD	Mean value: 20. harmonic voltage L1	V		
8520	float	RD	Mean value: 21. harmonic voltage L1	V		
8522	float	RD	Mean value: 22. harmonic voltage L1	V		
8524	float	RD	Mean value: 23. harmonic voltage L1	V		
8526	float	RD	Mean value: 24. harmonic voltage L1	V		
8528	float	RD	Mean value: 25. harmonic voltage L1	V		
8530	float	RD	Mean value: 26. harmonic voltage L1	V		
8532	float	RD	Mean value: 27. harmonic voltage L1	V		
8534	float	RD	Mean value: 28. harmonic voltage L1	V		
8536	float	RD	Mean value: 29. harmonic voltage L1	V		
8538	float	RD	Mean value: 30. harmonic voltage L1	V		
8540	float	RD	Mean value: 31. harmonic voltage L1	V		
8542	float	RD	Mean value: 32. harmonic voltage L1	V		
8544	float	RD	Mean value: 33. harmonic voltage L1	V		
8546	float	RD	Mean value: 34. harmonic voltage L1	V		
8548	float	RD	Mean value: 35. harmonic voltage L1	V		
8550	float	RD	Mean value: 36. harmonic voltage L1	V		
8552	float	RD	Mean value: 37. harmonic voltage L1	V		
8554	float	RD	Mean value: 38. harmonic voltage L1	V		
8556	float	RD	Mean value: 39. harmonic voltage L1	V		
8558	float	RD	Mean value: 40. harmonic voltage L1	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8560	float	RD	Mean value: 1. harmonic voltage L2	V		
8562	float	RD	Mean value: 2. harmonic voltage L2	V		
8564	float	RD	Mean value: 3. harmonic voltage L2	V		
8566	float	RD	Mean value: 4. harmonic voltage L2	V		
8568	float	RD	Mean value: 5. harmonic voltage L2	V		
8570	float	RD	Mean value: 6. harmonic voltage L2	V		
8572	float	RD	Mean value: 7. harmonic voltage L2	V		
8574	float	RD	Mean value: 8. harmonic voltage L2	V		
8576	float	RD	Mean value: 9. harmonic voltage L2	V		
8578	float	RD	Mean value: 10. harmonic voltage L2	V		
8580	float	RD	Mean value: 11. harmonic voltage L2	V		
8582	float	RD	Mean value: 12. harmonic voltage L2	V		
8584	float	RD	Mean value: 13. harmonic voltage L2	V		
8586	float	RD	Mean value: 14. harmonic voltage L2	V		
8588	float	RD	Mean value: 15. harmonic voltage L2	V		
8590	float	RD	Mean value: 16. harmonic voltage L2	V		
8592	float	RD	Mean value: 17. harmonic voltage L2	V		
8594	float	RD	Mean value: 18. harmonic voltage L2	V		
8596	float	RD	Mean value: 19. harmonic voltage L2	V		
8598	float	RD	Mean value: 20. harmonic voltage L2	V		
8600	float	RD	Mean value: 21. harmonic voltage L2	V		
8602	float	RD	Mean value: 22. harmonic voltage L2	V		
8604	float	RD	Mean value: 23. harmonic voltage L2	V		
8606	float	RD	Mean value: 24. harmonic voltage L2	V		
8608	float	RD	Mean value: 25. harmonic voltage L2	V		
8610	float	RD	Mean value: 26. harmonic voltage L2	V		
8612	float	RD	Mean value: 27. harmonic voltage L2	V		
8614	float	RD	Mean value: 28. harmonic voltage L2	V		
8616	float	RD	Mean value: 29. harmonic voltage L2	V		
8618	float	RD	Mean value: 30. harmonic voltage L2	V		
8620	float	RD	Mean value: 31. harmonic voltage L2	V		
8622	float	RD	Mean value: 32. harmonic voltage L2	V		
8624	float	RD	Mean value: 33. harmonic voltage L2	V		
8626	float	RD	Mean value: 34. harmonic voltage L2	V		
8628	float	RD	Mean value: 35. harmonic voltage L2	V		
8630	float	RD	Mean value: 36. harmonic voltage L2	V		
8632	float	RD	Mean value: 37. harmonic voltage L2	V		
8634	float	RD	Mean value: 38. harmonic voltage L2	V		
8636	float	RD	Mean value: 39. harmonic voltage L2	V		
8638	float	RD	Mean value: 40. harmonic voltage L2	V		
8640	float	RD	Mean value: 1. harmonic voltage L3	V		
8642	float	RD	Mean value: 2. harmonic voltage L3	V		
8644	float	RD	Mean value: 3. harmonic voltage L3	V		
8646	float	RD	Mean value: 4. harmonic voltage L3	V		
8648	float	RD	Mean value: 5. harmonic voltage L3	V		
8650	float	RD	Mean value: 6. harmonic voltage L3	V		
8652	float	RD	Mean value: 7. harmonic voltage L3	V		
8654	float	RD	Mean value: 8. harmonic voltage L3	V		
8656	float	RD	Mean value: 9. harmonic voltage L3	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8658	float	RD	Mean value: 10. harmonic voltage L3	V		
8660	float	RD	Mean value: 11. harmonic voltage L3	V		
8662	float	RD	Mean value: 12. harmonic voltage L3	V		
8664	float	RD	Mean value: 13. harmonic voltage L3	V		
8666	float	RD	Mean value: 14. harmonic voltage L3	V		
8668	float	RD	Mean value: 15. harmonic voltage L3	V		
8670	float	RD	Mean value: 16. harmonic voltage L3	V		
8672	float	RD	Mean value: 17. harmonic voltage L3	V		
8674	float	RD	Mean value: 18. harmonic voltage L3	V		
8676	float	RD	Mean value: 19. harmonic voltage L3	V		
8678	float	RD	Mean value: 20. harmonic voltage L3	V		
8680	float	RD	Mean value: 21. harmonic voltage L3	V		
8682	float	RD	Mean value: 22. harmonic voltage L3	V		
8684	float	RD	Mean value: 23. harmonic voltage L3	V		
8686	float	RD	Mean value: 24. harmonic voltage L3	V		
8688	float	RD	Mean value: 25. harmonic voltage L3	V		
8690	float	RD	Mean value: 26. harmonic voltage L3	V		
8692	float	RD	Mean value: 27. harmonic voltage L3	V		
8694	float	RD	Mean value: 28. harmonic voltage L3	V		
8696	float	RD	Mean value: 29. harmonic voltage L3	V		
8698	float	RD	Mean value: 30. harmonic voltage L3	V		
8700	float	RD	Mean value: 31. harmonic voltage L3	V		
8702	float	RD	Mean value: 32. harmonic voltage L3	V		
8704	float	RD	Mean value: 33. harmonic voltage L3	V		
8706	float	RD	Mean value: 34. harmonic voltage L3	V		
8708	float	RD	Mean value: 35. harmonic voltage L3	V		
8710	float	RD	Mean value: 36. harmonic voltage L3	V		
8712	float	RD	Mean value: 37. harmonic voltage L3	V		
8714	float	RD	Mean value: 38. harmonic voltage L3	V		
8716	float	RD	Mean value: 39. harmonic voltage L3	V		
8718	float	RD	Mean value: 40. harmonic voltage L3	V		
8720	float	RD	Mean value: 1. harmonic current L1	A		
8722	float	RD	Mean value: 2. harmonic current L1	A		
8724	float	RD	Mean value: 3. harmonic current L1	A		
8726	float	RD	Mean value: 4. harmonic current L1	A		
8728	float	RD	Mean value: 5. harmonic current L1	A		
8730	float	RD	Mean value: 6. harmonic current L1	A		
8732	float	RD	Mean value: 7. harmonic current L1	A		
8734	float	RD	Mean value: 8. harmonic current L1	A		
8736	float	RD	Mean value: 9. harmonic current L1	A		
8738	float	RD	Mean value: 10. harmonic current L1	A		
8740	float	RD	Mean value: 11. harmonic current L1	A		
8742	float	RD	Mean value: 12. harmonic current L1	A		
8744	float	RD	Mean value: 13. harmonic current L1	A		
8746	float	RD	Mean value: 14. harmonic current L1	A		
8748	float	RD	Mean value: 15. harmonic current L1	A		
8750	float	RD	Mean value: 16. harmonic current L1	A		
8752	float	RD	Mean value: 17. harmonic current L1	A		
8754	float	RD	Mean value: 18. harmonic current L1	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8756	float	RD	Mean value: 19. harmonic current L1	A		
8758	float	RD	Mean value: 20. harmonic current L1	A		
8760	float	RD	Mean value: 21. harmonic current L1	A		
8762	float	RD	Mean value: 22. harmonic current L1	A		
8764	float	RD	Mean value: 23. harmonic current L1	A		
8766	float	RD	Mean value: 24. harmonic current L1	A		
8768	float	RD	Mean value: 25. harmonic current L1	A		
8770	float	RD	Mean value: 26. harmonic current L1	A		
8772	float	RD	Mean value: 27. harmonic current L1	A		
8774	float	RD	Mean value: 28. harmonic current L1	A		
8776	float	RD	Mean value: 29. harmonic current L1	A		
8778	float	RD	Mean value: 30. harmonic current L1	A		
8780	float	RD	Mean value: 31. harmonic current L1	A		
8782	float	RD	Mean value: 32. harmonic current L1	A		
8784	float	RD	Mean value: 33. harmonic current L1	A		
8786	float	RD	Mean value: 34. harmonic current L1	A		
8788	float	RD	Mean value: 35. harmonic current L1	A		
8790	float	RD	Mean value: 36. harmonic current L1	A		
8792	float	RD	Mean value: 37. harmonic current L1	A		
8794	float	RD	Mean value: 38. harmonic current L1	A		
8796	float	RD	Mean value: 39. harmonic current L1	A		
8798	float	RD	Mean value: 40. harmonic current L1	A		
8800	float	RD	Mean value: 1. harmonic current L2	A		
8802	float	RD	Mean value: 2. harmonic current L2	A		
8804	float	RD	Mean value: 3. harmonic current L2	A		
8806	float	RD	Mean value: 4. harmonic current L2	A		
8808	float	RD	Mean value: 5. harmonic current L2	A		
8810	float	RD	Mean value: 6. harmonic current L2	A		
8812	float	RD	Mean value: 7. harmonic current L2	A		
8814	float	RD	Mean value: 8. harmonic current L2	A		
8816	float	RD	Mean value: 9. harmonic current L2	A		
8818	float	RD	Mean value: 10. harmonic current L2	A		
8820	float	RD	Mean value: 11. harmonic current L2	A		
8822	float	RD	Mean value: 12. harmonic current L2	A		
8824	float	RD	Mean value: 13. harmonic current L2	A		
8826	float	RD	Mean value: 14. harmonic current L2	A		
8828	float	RD	Mean value: 15. harmonic current L2	A		
8830	float	RD	Mean value: 16. harmonic current L2	A		
8832	float	RD	Mean value: 17. harmonic current L2	A		
8834	float	RD	Mean value: 18. harmonic current L2	A		
8836	float	RD	Mean value: 19. harmonic current L2	A		
8838	float	RD	Mean value: 20. harmonic current L2	A		
8840	float	RD	Mean value: 21. harmonic current L2	A		
8842	float	RD	Mean value: 22. harmonic current L2	A		
8844	float	RD	Mean value: 23. harmonic current L2	A		
8846	float	RD	Mean value: 24. harmonic current L2	A		
8848	float	RD	Mean value: 25. harmonic current L2	A		
8850	float	RD	Mean value: 26. harmonic current L2	A		
8852	float	RD	Mean value: 27. harmonic current L2	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8854	float	RD	Mean value: 28. harmonic current L2	A		
8856	float	RD	Mean value: 29. harmonic current L2	A		
8858	float	RD	Mean value: 30. harmonic current L2	A		
8860	float	RD	Mean value: 31. harmonic current L2	A		
8862	float	RD	Mean value: 32. harmonic current L2	A		
8864	float	RD	Mean value: 33. harmonic current L2	A		
8866	float	RD	Mean value: 34. harmonic current L2	A		
8868	float	RD	Mean value: 35. harmonic current L2	A		
8870	float	RD	Mean value: 36. harmonic current L2	A		
8872	float	RD	Mean value: 37. harmonic current L2	A		
8874	float	RD	Mean value: 38. harmonic current L2	A		
8876	float	RD	Mean value: 39. harmonic current L2	A		
8878	float	RD	Mean value: 40. harmonic current L2	A		
8880	float	RD	Mean value: 1. harmonic current L3	A		
8882	float	RD	Mean value: 2. harmonic current L3	A		
8884	float	RD	Mean value: 3. harmonic current L3	A		
8886	float	RD	Mean value: 4. harmonic current L3	A		
8888	float	RD	Mean value: 5. harmonic current L3	A		
8890	float	RD	Mean value: 6. harmonic current L3	A		
8892	float	RD	Mean value: 7. harmonic current L3	A		
8894	float	RD	Mean value: 8. harmonic current L3	A		
8896	float	RD	Mean value: 9. harmonic current L3	A		
8898	float	RD	Mean value: 10. harmonic current L3	A		
8900	float	RD	Mean value: 11. harmonic current L3	A		
8902	float	RD	Mean value: 12. harmonic current L3	A		
8904	float	RD	Mean value: 13. harmonic current L3	A		
8906	float	RD	Mean value: 14. harmonic current L3	A		
8908	float	RD	Mean value: 15. harmonic current L3	A		
8910	float	RD	Mean value: 16. harmonic current L3	A		
8912	float	RD	Mean value: 17. harmonic current L3	A		
8914	float	RD	Mean value: 18. harmonic current L3	A		
8916	float	RD	Mean value: 19. harmonic current L3	A		
8918	float	RD	Mean value: 20. harmonic current L3	A		
8920	float	RD	Mean value: 21. harmonic current L3	A		
8922	float	RD	Mean value: 22. harmonic current L3	A		
8924	float	RD	Mean value: 23. harmonic current L3	A		
8926	float	RD	Mean value: 24. harmonic current L3	A		
8928	float	RD	Mean value: 25. harmonic current L3	A		
8930	float	RD	Mean value: 26. harmonic current L3	A		
8932	float	RD	Mean value: 27. harmonic current L3	A		
8934	float	RD	Mean value: 28. harmonic current L3	A		
8936	float	RD	Mean value: 29. harmonic current L3	A		
8938	float	RD	Mean value: 30. harmonic current L3	A		
8940	float	RD	Mean value: 31. harmonic current L3	A		
8942	float	RD	Mean value: 32. harmonic current L3	A		
8944	float	RD	Mean value: 33. harmonic current L3	A		
8946	float	RD	Mean value: 34. harmonic current L3	A		
8948	float	RD	Mean value: 35. harmonic current L3	A		
8950	float	RD	Mean value: 36. harmonic current L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
8952	float	RD	Mean value: 37. harmonic current L3	A		
8954	float	RD	Mean value: 38. harmonic current L3	A		
8956	float	RD	Mean value: 39. harmonic current L3	A		
8958	float	RD	Mean value: 40. harmonic current L3	A		
12029	short (x10)	RD	Mean value: 1. harmonic voltage L1	V		
12030	short (x10)	RD	Mean value: 3. harmonic voltage L1	V		
12031	short (x10)	RD	Mean value: 5. harmonic voltage L1	V		
12032	short (x10)	RD	Mean value: 7. harmonic voltage L1	V		
12033	short (x10)	RD	Mean value: 9. harmonic voltage L1	V		
12034	short (x10)	RD	Mean value: 11. harmonic voltage L1	V		
12035	short (x10)	RD	Mean value: 13. harmonic voltage L1	V		
12036	short (x10)	RD	Mean value: 15. harmonic voltage L1	V		
12037	short (x10)	RD	Mean value: 17. harmonic voltage L1	V		
12038	short (x10)	RD	Mean value: 19. harmonic voltage L1	V		
12039	short (x10)	RD	Mean value: 21. harmonic voltage L1	V		
12040	short (x10)	RD	Mean value: 23. harmonic voltage L1	V		
12041	short (x10)	RD	Mean value: 25. harmonic voltage L1	V		
12042	short (x10)	RD	Mean value: 1. harmonic voltage L2	V		
12043	short (x10)	RD	Mean value: 3. harmonic voltage L2	V		
12044	short (x10)	RD	Mean value: 5. harmonic voltage L2	V		
12045	short (x10)	RD	Mean value: 7. harmonic voltage L2	V		
12046	short (x10)	RD	Mean value: 9. harmonic voltage L2	V		
12047	short (x10)	RD	Mean value: 11. harmonic voltage L2	V		
12048	short (x10)	RD	Mean value: 13. harmonic voltage L2	V		
12049	short (x10)	RD	Mean value: 15. harmonic voltage L2	V		
12050	short (x10)	RD	Mean value: 17. harmonic voltage L2	V		
12051	short (x10)	RD	Mean value: 19. harmonic voltage L2	V		
12052	short (x10)	RD	Mean value: 21. harmonic voltage L2	V		
12053	short (x10)	RD	Mean value: 23. harmonic voltage L2	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
12054	short (x10)	RD	Mean value: 25. harmonic voltage L2	V		
12055	short (x10)	RD	Mean value: 1. harmonic voltage L3	V		
12056	short (x10)	RD	Mean value: 3. harmonic voltage L3	V		
12057	short (x10)	RD	Mean value: 5. harmonic voltage L3	V		
12058	short (x10)	RD	Mean value: 7. harmonic voltage L3	V		
12059	short (x10)	RD	Mean value: 9. harmonic voltage L3	V		
12060	short (x10)	RD	Mean value: 11. harmonic voltage L3	V		
12061	short (x10)	RD	Mean value: 13. harmonic voltage L3	V		
12062	short (x10)	RD	Mean value: 15. harmonic voltage L3	V		
12063	short (x10)	RD	Mean value: 17. harmonic voltage L3	V		
12064	short (x10)	RD	Mean value: 19. harmonic voltage L3	V		
12065	short (x10)	RD	Mean value: 21. harmonic voltage L3	V		
12066	short (x10)	RD	Mean value: 23. harmonic voltage L3	V		
12067	short (x10)	RD	Mean value: 25. harmonic voltage L3	V		
12068	short (x1000)	RD	Mean value: 1. harmonic current L1	A		
12069	short (x1000)	RD	Mean value: 3. harmonic current L1	A		
12070	short (x1000)	RD	Mean value: 5. harmonic current L1	A		
12071	short (x1000)	RD	Mean value: 7. harmonic current L1	A		
12072	short (x1000)	RD	Mean value: 9. harmonic current L1	A		
12073	short (x1000)	RD	Mean value: 11. harmonic current L1	A		
12074	short (x1000)	RD	Mean value: 13. harmonic current L1	A		
12075	short (x1000)	RD	Mean value: 15. harmonic current L1	A		
12076	short (x1000)	RD	Mean value: 17. harmonic current L1	A		
12077	short (x1000)	RD	Mean value: 19. harmonic current L1	A		
12078	short (x1000)	RD	Mean value: 21. harmonic current L1	A		
12079	short (x1000)	RD	Mean value: 23. harmonic current L1	A		
12080	short (x1000)	RD	Mean value: 25. harmonic current L1	A		
12081	short (x1000)	RD	Mean value: 1. harmonic current L2	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
12082	short (x1000)	RD	Mean value: 3. harmonic current L2	A		
12083	short (x1000)	RD	Mean value: 5. harmonic current L2	A		
12084	short (x1000)	RD	Mean value: 7. harmonic current L2	A		
12085	short (x1000)	RD	Mean value: 9. harmonic current L2	A		
12086	short (x1000)	RD	Mean value: 11. harmonic current L2	A		
12087	short (x1000)	RD	Mean value: 13. harmonic current L2	A		
12088	short (x1000)	RD	Mean value: 15. harmonic current L2	A		
12089	short (x1000)	RD	Mean value: 17. harmonic current L2	A		
12090	short (x1000)	RD	Mean value: 19. harmonic current L2	A		
12091	short (x1000)	RD	Mean value: 21. harmonic current L2	A		
12092	short (x1000)	RD	Mean value: 23. harmonic current L2	A		
12093	short (x1000)	RD	Mean value: 25. harmonic current L2	A		
12094	short (x1000)	RD	Mean value: 1. harmonic current L3	A		
12095	short (x1000)	RD	Mean value: 3. harmonic current L3	A		
12096	short (x1000)	RD	Mean value: 5. harmonic current L3	A		
12097	short (x1000)	RD	Mean value: 7. harmonic current L3	A		
12098	short (x1000)	RD	Mean value: 9. harmonic current L3	A		
12099	short (x1000)	RD	Mean value: 11. harmonic current L3	A		
12100	short (x1000)	RD	Mean value: 13. harmonic current L3	A		
12101	short (x1000)	RD	Mean value: 15. harmonic current L3	A		
12102	short (x1000)	RD	Mean value: 17. harmonic current L3	A		
12103	short (x1000)	RD	Mean value: 19. harmonic current L3	A		
12104	short (x1000)	RD	Mean value: 21. harmonic current L3	A		
12105	short (x1000)	RD	Mean value: 23. harmonic current L3	A		
12106	short (x1000)	RD	Mean value: 25. harmonic current L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
Messwerte, erweiterte Fourieranalyse (41.-65. Harmonische)						
17000	float	RD	41. harmonic voltage L1	V		
17002	float	RD	42. harmonic voltage L1	V		
17004	float	RD	43. harmonic voltage L1	V		
17006	float	RD	44. harmonic voltage L1	V		
17008	float	RD	45. harmonic voltage L1	V		
17010	float	RD	46. harmonic voltage L1	V		
17012	float	RD	47. harmonic voltage L1	V		
17014	float	RD	48. harmonic voltage L1	V		
17016	float	RD	49. harmonic voltage L1	V		
17018	float	RD	50. harmonic voltage L1	V		
17020	float	RD	51. harmonic voltage L1	V		
17022	float	RD	52. harmonic voltage L1	V		
17024	float	RD	53. harmonic voltage L1	V		
17026	float	RD	54. harmonic voltage L1	V		
17028	float	RD	55. harmonic voltage L1	V		
17030	float	RD	56. harmonic voltage L1	V		
17032	float	RD	57. harmonic voltage L1	V		
17034	float	RD	58. harmonic voltage L1	V		
17036	float	RD	59. harmonic voltage L1	V		
17038	float	RD	60. harmonic voltage L1	V		
17040	float	RD	61. harmonic voltage L1	V		
17042	float	RD	62. harmonic voltage L1	V		
17044	float	RD	63. harmonic voltage L1	V		
17046	float	RD	64. harmonic voltage L1	V		
17048	float	RD	65. harmonic voltage L1	V		
17050	float	RD	41. harmonic voltage L2	V		
17052	float	RD	42. harmonic voltage L2	V		
17054	float	RD	43. harmonic voltage L2	V		
17056	float	RD	44. harmonic voltage L2	V		
17058	float	RD	45. harmonic voltage L2	V		
17060	float	RD	46. harmonic voltage L2	V		
17062	float	RD	47. harmonic voltage L2	V		
17064	float	RD	48. harmonic voltage L2	V		
17066	float	RD	49. harmonic voltage L2	V		
17068	float	RD	50. harmonic voltage L2	V		
17070	float	RD	51. harmonic voltage L2	V		
17072	float	RD	52. harmonic voltage L2	V		
17074	float	RD	53. harmonic voltage L2	V		
17076	float	RD	54. harmonic voltage L2	V		
17078	float	RD	55. harmonic voltage L2	V		
17080	float	RD	56. harmonic voltage L2	V		
17082	float	RD	57. harmonic voltage L2	V		
17084	float	RD	58. harmonic voltage L2	V		
17086	float	RD	59. harmonic voltage L2	V		
17088	float	RD	60. harmonic voltage L2	V		
17090	float	RD	61. harmonic voltage L2	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17092	float	RD	62. harmonic voltage L2	V		
17094	float	RD	63. harmonic voltage L2	V		
17096	float	RD	64. harmonic voltage L2	V		
17098	float	RD	65. harmonic voltage L2	V		
17100	float	RD	41. harmonic voltage L3	V		
17102	float	RD	42. harmonic voltage L3	V		
17104	float	RD	43. harmonic voltage L3	V		
17106	float	RD	44. harmonic voltage L3	V		
17108	float	RD	45. harmonic voltage L3	V		
17110	float	RD	46. harmonic voltage L3	V		
17112	float	RD	47. harmonic voltage L3	V		
17114	float	RD	48. harmonic voltage L3	V		
17116	float	RD	49. harmonic voltage L3	V		
17118	float	RD	50. harmonic voltage L3	V		
17120	float	RD	51. harmonic voltage L3	V		
17122	float	RD	52. harmonic voltage L3	V		
17124	float	RD	53. harmonic voltage L3	V		
17126	float	RD	54. harmonic voltage L3	V		
17128	float	RD	55. harmonic voltage L3	V		
17130	float	RD	56. harmonic voltage L3	V		
17132	float	RD	57. harmonic voltage L3	V		
17134	float	RD	58. harmonic voltage L3	V		
17136	float	RD	59. harmonic voltage L3	V		
17138	float	RD	60. harmonic voltage L3	V		
17140	float	RD	61. harmonic voltage L3	V		
17142	float	RD	62. harmonic voltage L3	V		
17144	float	RD	63. harmonic voltage L3	V		
17146	float	RD	64. harmonic voltage L3	V		
17148	float	RD	65. harmonic voltage L3	V		
17150	float	RD	41. harmonic current L1	A		
17152	float	RD	42. harmonic current L1	A		
17154	float	RD	43. harmonic current L1	A		
17156	float	RD	44. harmonic current L1	A		
17158	float	RD	45. harmonic current L1	A		
17160	float	RD	46. harmonic current L1	A		
17162	float	RD	47. harmonic current L1	A		
17164	float	RD	48. harmonic current L1	A		
17166	float	RD	49. harmonic current L1	A		
17168	float	RD	50. harmonic current L1	A		
17170	float	RD	51. harmonic current L1	A		
17172	float	RD	52. harmonic current L1	A		
17174	float	RD	53. harmonic current L1	A		
17176	float	RD	54. harmonic current L1	A		
17178	float	RD	55. harmonic current L1	A		
17180	float	RD	56. harmonic current L1	A		
17182	float	RD	57. harmonic current L1	A		
17184	float	RD	58. harmonic current L1	A		
17186	float	RD	59. harmonic current L1	A		
17188	float	RD	60. harmonic current L1	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17190	float	RD	61. harmonic current L1	A		
17192	float	RD	62. harmonic current L1	A		
17194	float	RD	63. harmonic current L1	A		
17196	float	RD	64. harmonic current L1	A		
17198	float	RD	65. harmonic current L1	A		
17200	float	RD	41. harmonic current L2	A		
17202	float	RD	42. harmonic current L2	A		
17204	float	RD	43. harmonic current L2	A		
17206	float	RD	44. harmonic current L2	A		
17208	float	RD	45. harmonic current L2	A		
17210	float	RD	46. harmonic current L2	A		
17212	float	RD	47. harmonic current L2	A		
17214	float	RD	48. harmonic current L2	A		
17216	float	RD	49. harmonic current L2	A		
17218	float	RD	50. harmonic current L2	A		
17220	float	RD	51. harmonic current L2	A		
17222	float	RD	52. harmonic current L2	A		
17224	float	RD	53. harmonic current L2	A		
17226	float	RD	54. harmonic current L2	A		
17228	float	RD	55. harmonic current L2	A		
17230	float	RD	56. harmonic current L2	A		
17232	float	RD	57. harmonic current L2	A		
17234	float	RD	58. harmonic current L2	A		
17236	float	RD	59. harmonic current L2	A		
17238	float	RD	60. harmonic current L2	A		
17240	float	RD	61. harmonic current L2	A		
17242	float	RD	62. harmonic current L2	A		
17244	float	RD	63. harmonic current L2	A		
17246	float	RD	64. harmonic current L2	A		
17248	float	RD	65. harmonic current L2	A		
17250	float	RD	41. harmonic current L3	A		
17252	float	RD	42. harmonic current L3	A		
17254	float	RD	43. harmonic current L3	A		
17256	float	RD	44. harmonic current L3	A		
17258	float	RD	45. harmonic current L3	A		
17260	float	RD	46. harmonic current L3	A		
17262	float	RD	47. harmonic current L3	A		
17264	float	RD	48. harmonic current L3	A		
17266	float	RD	49. harmonic current L3	A		
17268	float	RD	50. harmonic current L3	A		
17270	float	RD	51. harmonic current L3	A		
17272	float	RD	52. harmonic current L3	A		
17274	float	RD	53. harmonic current L3	A		
17276	float	RD	54. harmonic current L3	A		
17278	float	RD	55. harmonic current L3	A		
17280	float	RD	56. harmonic current L3	A		
17282	float	RD	57. harmonic current L3	A		
17284	float	RD	58. harmonic current L3	A		
17286	float	RD	59. harmonic current L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17288	float	RD	60. harmonic current L3	A		
17290	float	RD	61. harmonic current L3	A		
17292	float	RD	62. harmonic current L3	A		
17294	float	RD	63. harmonic current L3	A		
17296	float	RD	64. harmonic current L3	A		
17298	float	RD	65. harmonic current L3	A		

Maximalwerte, erweiterte Fourieranalyse

17600	float	RD	Max. value: 41. harmonic voltage L1	V		
17602	float	RD	Max. value: 42. harmonic voltage L1	V		
17604	float	RD	Max. value: 43. harmonic voltage L1	V		
17606	float	RD	Max. value: 44. harmonic voltage L1	V		
17608	float	RD	Max. value: 45. harmonic voltage L1	V		
17610	float	RD	Max. value: 46. harmonic voltage L1	V		
17612	float	RD	Max. value: 47. harmonic voltage L1	V		
17614	float	RD	Max. value: 48. harmonic voltage L1	V		
17616	float	RD	Max. value: 49. harmonic voltage L1	V		
17618	float	RD	Max. value: 50. harmonic voltage L1	V		
17620	float	RD	Max. value: 51. harmonic voltage L1	V		
17622	float	RD	Max. value: 52. harmonic voltage L1	V		
17624	float	RD	Max. value: 53. harmonic voltage L1	V		
17626	float	RD	Max. value: 54. harmonic voltage L1	V		
17628	float	RD	Max. value: 55. harmonic voltage L1	V		
17630	float	RD	Max. value: 56. harmonic voltage L1	V		
17632	float	RD	Max. value: 57. harmonic voltage L1	V		
17634	float	RD	Max. value: 58. harmonic voltage L1	V		
17636	float	RD	Max. value: 59. harmonic voltage L1	V		
17638	float	RD	Max. value: 60. harmonic voltage L1	V		
17640	float	RD	Max. value: 61. harmonic voltage L1	V		
17642	float	RD	Max. value: 62. harmonic voltage L1	V		
17644	float	RD	Max. value: 63. harmonic voltage L1	V		
17646	float	RD	Max. value: 64. harmonic voltage L1	V		
17648	float	RD	Max. value: 65. harmonic voltage L1	V		
17650	float	RD	Max. value: 41. harmonic voltage L2	V		
17652	float	RD	Max. value: 42. harmonic current L3	V		
17654	float	RD	Max. value: 43. harmonic current L3	V		
17656	float	RD	Max. value: 44. harmonic current L3	V		
17658	float	RD	Max. value: 45. harmonic current L3	V		
17660	float	RD	Max. value: 46. harmonic current L3	V		
17662	float	RD	Max. value: 47. harmonic current L3	V		
17664	float	RD	Max. value: 48. harmonic current L3	V		
17666	float	RD	Max. value: 49. harmonic current L3	V		
17668	float	RD	Max. value: 50. harmonic current L3	V		
17670	float	RD	Max. value: 51. harmonic current L3	V		
17672	float	RD	Max. value: 52. harmonic current L3	V		
17674	float	RD	Max. value: 53. harmonic current L3	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17676	float	RD	Max. value: 54. harmonic current L3	V		
17678	float	RD	Max. value: 55. harmonic current L3	V		
17680	float	RD	Max. value: 56. harmonic current L3	V		
17682	float	RD	Max. value: 57. harmonic current L3	V		
17684	float	RD	Max. value: 58. harmonic current L3	V		
17686	float	RD	Max. value: 59. harmonic current L3	V		
17688	float	RD	Max. value: 60. harmonic current L3	V		
17690	float	RD	Max. value: 61. harmonic current L3	V		
17692	float	RD	Max. value: 62. harmonic current L3	V		
17694	float	RD	Max. value: 63. harmonic current L3	V		
17696	float	RD	Max. value: 64. harmonic current L3	V		
17698	float	RD	Max. value: 65. harmonic current L3	V		
17700	float	RD	Max. value: 41. harmonic voltage L3	V		
17702	float	RD	Max. value: 42. harmonic voltage L3	V		
17704	float	RD	Max. value: 43. harmonic voltage L3	V		
17706	float	RD	Max. value: 44. harmonic voltage L3	V		
17708	float	RD	Max. value: 45. harmonic voltage L3	V		
17710	float	RD	Max. value: 46. harmonic voltage L3	V		
17712	float	RD	Max. value: 47. harmonic voltage L3	V		
17714	float	RD	Max. value: 48. harmonic voltage L3	V		
17716	float	RD	Max. value: 49. harmonic voltage L3	V		
17718	float	RD	Max. value: 50. harmonic voltage L3	V		
17720	float	RD	Max. value: 51. harmonic voltage L3	V		
17722	float	RD	Max. value: 52. harmonic voltage L3	V		
17724	float	RD	Max. value: 53. harmonic voltage L3	V		
17726	float	RD	Max. value: 54. harmonic voltage L3	V		
17728	float	RD	Max. value: 55. harmonic voltage L3	V		
17730	float	RD	Max. value: 56. harmonic voltage L3	V		
17732	float	RD	Max. value: 57. harmonic voltage L3	V		
17734	float	RD	Max. value: 58. harmonic voltage L3	V		
17736	float	RD	Max. value: 59. harmonic voltage L3	V		
17738	float	RD	Max. value: 60. harmonic voltage L3	V		
17740	float	RD	Max. value: 61. harmonic voltage L3	V		
17742	float	RD	Max. value: 62. harmonic voltage L3	V		
17744	float	RD	Max. value: 63. harmonic voltage L3	V		
17746	float	RD	Max. value: 64. harmonic voltage L3	V		
17748	float	RD	Max. value: 65. harmonic voltage L3	V		
17750	float	RD	Max. value: 41. harmonic current L1	A		
17752	float	RD	Max. value: 42. harmonic current L1	A		
17754	float	RD	Max. value: 43. harmonic current L1	A		
17756	float	RD	Max. value: 44. harmonic current L1	A		
17758	float	RD	Max. value: 45. harmonic current L1	A		
17760	float	RD	Max. value: 46. harmonic current L1	A		
17762	float	RD	Max. value: 47. harmonic current L1	A		
17764	float	RD	Max. value: 48. harmonic current L1	A		
17766	float	RD	Max. value: 49. harmonic current L1	A		
17768	float	RD	Max. value: 50. harmonic current L1	A		
17770	float	RD	Max. value: 51. harmonic current L1	A		
17772	float	RD	Max. value: 52. harmonic current L1	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17774	float	RD	Max. value: 53. harmonic current L1	A		
17776	float	RD	Max. value: 54. harmonic current L1	A		
17778	float	RD	Max. value: 55. harmonic current L1	A		
17780	float	RD	Max. value: 56. harmonic current L1	A		
17782	float	RD	Max. value: 57. harmonic current L1	A		
17784	float	RD	Max. value: 58. harmonic current L1	A		
17786	float	RD	Max. value: 59. harmonic current L1	A		
17788	float	RD	Max. value: 60. harmonic current L1	A		
17790	float	RD	Max. value: 61. harmonic current L1	A		
17792	float	RD	Max. value: 62. harmonic current L1	A		
17794	float	RD	Max. value: 63. harmonic current L1	A		
17796	float	RD	Max. value: 64. harmonic current L1	A		
17798	float	RD	Max. value: 65. harmonic current L1	A		
17800	float	RD	Max. value: 41. harmonic current L2	A		
17802	float	RD	Max. value: 42. harmonic current L2	A		
17804	float	RD	Max. value: 43. harmonic current L2	A		
17806	float	RD	Max. value: 44. harmonic current L2	A		
17808	float	RD	Max. value: 45. harmonic current L2	A		
17810	float	RD	Max. value: 46. harmonic current L2	A		
17812	float	RD	Max. value: 47. harmonic current L2	A		
17814	float	RD	Max. value: 48. harmonic current L2	A		
17816	float	RD	Max. value: 49. harmonic current L2	A		
17818	float	RD	Max. value: 49. harmonic current L2	A		
17820	float	RD	Max. value: 49. harmonic current L2	A		
17822	float	RD	Max. value: 52. harmonic current L2	A		
17824	float	RD	Max. value: 53. harmonic current L2	A		
17826	float	RD	Max. value: 54. harmonic current L2	A		
17828	float	RD	Max. value: 55. harmonic current L2	A		
17830	float	RD	Max. value: 56. harmonic current L2	A		
17832	float	RD	Max. value: 57. harmonic current L2	A		
17834	float	RD	Max. value: 58. harmonic current L2	A		
17836	float	RD	Max. value: 59. harmonic current L2	A		
17838	float	RD	Max. value: 60. harmonic current L2	A		
17840	float	RD	Max. value: 61. harmonic current L2	A		
17842	float	RD	Max. value: 62. harmonic current L2	A		
17844	float	RD	Max. value: 63. harmonic current L2	A		
17846	float	RD	Max. value: 64. harmonic current L2	A		
17848	float	RD	Max. value: 65. harmonic current L2	A		
17850	float	RD	Max. value: 41. harmonic current L3	A		
17852	float	RD	Max. value: 42. harmonic current L3	A		
17854	float	RD	Max. value: 43. harmonic current L3	A		
17856	float	RD	Max. value: 44. harmonic current L3	A		
17858	float	RD	Max. value: 45. harmonic current L3	A		
17860	float	RD	Max. value: 46. harmonic current L3	A		
17862	float	RD	Max. value: 47. harmonic current L3	A		
17864	float	RD	Max. value: 48. harmonic current L3	A		
17866	float	RD	Max. value: 49. harmonic current L3	A		
17868	float	RD	Max. value: 50. harmonic current L3	A		
17870	float	RD	Max. value: 51. harmonic current L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17872	float	RD	Max. value: 52. harmonic current L3	A		
17874	float	RD	Max. value: 53. harmonic current L3	A		
17876	float	RD	Max. value: 54. harmonic current L3	A		
17878	float	RD	Max. value: 55. harmonic current L3	A		
17880	float	RD	Max. value: 56. harmonic current L3	A		
17882	float	RD	Max. value: 57. harmonic current L3	A		
17884	float	RD	Max. value: 58. harmonic current L3	A		
17886	float	RD	Max. value: 59. harmonic current L3	A		
17888	float	RD	Max. value: 60. harmonic current L3	A		
17890	float	RD	Max. value: 61. harmonic current L3	A		
17892	float	RD	Max. value: 62. harmonic current L3	A		
17894	float	RD	Max. value: 63. harmonic current L3	A		
17896	float	RD	Max. value: 64. harmonic current L3	A		
17898	float	RD	Max. value: 65. harmonic current L3	A		

Maximalwerte, Zeitstempel, erweiterte Fourieranalyse

17900	uint	RD	UTC timestamp: max. value, 41. harmonic voltage L1	s
17902	uint	RD	UTC timestamp: max. value, 42. harmonic voltage L1	s
17904	uint	RD	UTC timestamp: max. value, 43. harmonic voltage L1	s
17906	uint	RD	UTC timestamp: max. value, 44. harmonic voltage L1	s
17908	uint	RD	UTC timestamp: max. value, 45. harmonic voltage L1	s
17910	uint	RD	UTC timestamp: max. value, 46. harmonic voltage L1	s
17912	uint	RD	UTC timestamp: max. value, 47. harmonic voltage L1	s
17914	uint	RD	UTC timestamp: max. value, 48. harmonic voltage L1	s
17916	uint	RD	UTC timestamp: max. value, 49. harmonic voltage L1	s
17918	uint	RD	UTC timestamp: max. value, 50. harmonic voltage L1	s
17920	uint	RD	UTC timestamp: max. value, 51. harmonic voltage L1	s
17922	uint	RD	UTC timestamp: max. value, 52. harmonic voltage L1	s
17924	uint	RD	UTC timestamp: max. value, 53. harmonic voltage L1	s
17926	uint	RD	UTC timestamp: max. value, 54. harmonic voltage L1	s
17928	uint	RD	UTC timestamp: max. value, 55. harmonic voltage L1	s
17930	uint	RD	UTC timestamp: max. value, 56. harmonic voltage L1	s
17932	uint	RD	UTC timestamp: max. value, 57. harmonic voltage L1	s

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17934	uint	RD	UTC timestamp: max. value, 58. harmonic voltage L1	s		
17936	uint	RD	UTC timestamp: max. value, 59. harmonic voltage L1	s		
17938	uint	RD	UTC timestamp: max. value, 60. harmonic voltage L1	s		
17940	uint	RD	UTC timestamp: max. value, 61. harmonic voltage L1	s		
17942	uint	RD	UTC timestamp: max. value, 62. harmonic voltage L1	s		
17944	uint	RD	UTC timestamp: max. value, 63. harmonic voltage L1	s		
17946	uint	RD	UTC timestamp: max. value, 64. harmonic voltage L1	s		
17948	uint	RD	UTC timestamp: max. value, 65. harmonic voltage L1	s		
17950	uint	RD	UTC timestamp: max. value, 41. harmonic voltage L2	s		
17952	uint	RD	UTC timestamp: max. value, 42. harmonic voltage L2	s		
17954	uint	RD	UTC timestamp: max. value, 43. harmonic voltage L2	s		
17956	uint	RD	UTC timestamp: max. value, 44. harmonic voltage L2	s		
17958	uint	RD	UTC timestamp: max. value, 45. harmonic voltage L2	s		
17960	uint	RD	UTC timestamp: max. value, 46. harmonic voltage L2	s		
17962	uint	RD	UTC timestamp: max. value, 47. harmonic voltage L2	s		
17964	uint	RD	UTC timestamp: max. value, 48. harmonic voltage L2	s		
17966	uint	RD	UTC timestamp: max. value, 49. harmonic voltage L2	s		
17968	uint	RD	UTC timestamp: max. value, 50. harmonic voltage L2	s		
17970	uint	RD	UTC timestamp: max. value, 51. harmonic voltage L2	s		
17972	uint	RD	UTC timestamp: max. value, 52. harmonic voltage L2	s		
17974	uint	RD	UTC timestamp: max. value, 53. harmonic voltage L2	s		
17976	uint	RD	UTC timestamp: max. value, 54. harmonic voltage L2	s		
17978	uint	RD	UTC timestamp: max. value, 55. harmonic voltage L2	s		
17980	uint	RD	UTC timestamp: max. value, 56. harmonic voltage L2	s		
17982	uint	RD	UTC timestamp: max. value, 57. harmonic voltage L2	s		
17984	uint	RD	UTC timestamp: max. value, 58. harmonic voltage L2	s		
17986	uint	RD	UTC timestamp: max. value, 59. harmonic voltage L2	s		
17988	uint	RD	UTC timestamp: max. value, 60. harmonic voltage L2	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17990	uint	RD	UTC timestamp: max. value, 61. harmonic voltage L2	s		
17992	uint	RD	UTC timestamp: max. value, 62. harmonic voltage L2	s		
17994	uint	RD	UTC timestamp: max. value, 63. harmonic voltage L2	s		
17996	uint	RD	UTC timestamp: max. value, 64. harmonic voltage L2	s		
17998	uint	RD	UTC timestamp: max. value, 65. harmonic voltage L2	s		
18000	uint	RD	UTC timestamp: max. value, 41. harmonic voltage L3	s		
18002	uint	RD	UTC timestamp: max. value, 42. harmonic voltage L3	s		
18004	uint	RD	UTC timestamp: max. value, 43. harmonic voltage L3	s		
18006	uint	RD	UTC timestamp: max. value, 44. harmonic voltage L3	s		
18008	uint	RD	UTC timestamp: max. value, 45. harmonic voltage L3	s		
18010	uint	RD	UTC timestamp: max. value, 46. harmonic voltage L3	s		
18012	uint	RD	UTC timestamp: max. value, 47. harmonic voltage L3	s		
18014	uint	RD	UTC timestamp: max. value, 48. harmonic voltage L3	s		
18016	uint	RD	UTC timestamp: max. value, 49. harmonic voltage L3	s		
18018	uint	RD	UTC timestamp: max. value, 50. harmonic voltage L3	s		
18020	uint	RD	UTC timestamp: max. value, 51. harmonic voltage L3	s		
18022	uint	RD	UTC timestamp: max. value, 52. harmonic voltage L3	s		
18024	uint	RD	UTC timestamp: max. value, 53. harmonic voltage L3	s		
18026	uint	RD	UTC timestamp: max. value, 54. harmonic voltage L3	s		
18028	uint	RD	UTC timestamp: max. value, 55. harmonic voltage L3	s		
18030	uint	RD	UTC timestamp: max. value, 56. harmonic voltage L3	s		
18032	uint	RD	UTC timestamp: max. value, 57. harmonic voltage L3	s		
18034	uint	RD	UTC timestamp: max. value, 58. harmonic voltage L3	s		
18036	uint	RD	UTC timestamp: max. value, 59. harmonic voltage L3	s		
18038	uint	RD	UTC timestamp: max. value, 60. harmonic voltage L3	s		
18040	uint	RD	UTC timestamp: max. value, 61. harmonic voltage L3	s		
18042	uint	RD	UTC timestamp: max. value, 62. harmonic voltage L3	s		
18044	uint	RD	UTC timestamp: max. value, 63. harmonic voltage L3	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
18046	uint	RD	UTC timestamp: max. value, 64. harmonic voltage L3	s		
18048	uint	RD	UTC timestamp: max. value, 65. harmonic voltage L3	s		
18050	uint	RD	UTC timestamp: max. value, 41. harmonic current L1	s		
18052	uint	RD	UTC timestamp: max. value, 42. harmonic current L1	s		
18054	uint	RD	UTC timestamp: max. value, 43. harmonic current L1	s		
18056	uint	RD	UTC timestamp: max. value, 44. harmonic current L1	s		
18058	uint	RD	UTC timestamp: max. value, 45. harmonic current L1	s		
18060	uint	RD	UTC timestamp: max. value, 46. harmonic current L1	s		
18062	uint	RD	UTC timestamp: max. value, 47. harmonic current L1	s		
18064	uint	RD	UTC timestamp: max. value, 48. harmonic current L1	s		
18066	uint	RD	UTC timestamp: max. value, 49. harmonic current L1	s		
18068	uint	RD	UTC timestamp: max. value, 50. harmonic current L1	s		
18070	uint	RD	UTC timestamp: max. value, 51. harmonic current L1	s		
18072	uint	RD	UTC timestamp: max. value, 52. harmonic current L1	s		
18074	uint	RD	UTC timestamp: max. value, 53. harmonic current L1	s		
18076	uint	RD	UTC timestamp: max. value, 54. harmonic current L1	s		
18078	uint	RD	UTC timestamp: max. value, 55. harmonic current L1	s		
18080	uint	RD	UTC timestamp: max. value, 56. harmonic current L1	s		
18082	uint	RD	UTC timestamp: max. value, 57. harmonic current L1	s		
18084	uint	RD	UTC timestamp: max. value, 58. harmonic current L1	s		
18086	uint	RD	UTC timestamp: max. value, 59. harmonic current L1	s		
18088	uint	RD	UTC timestamp: max. value, 60. harmonic current L1	s		
18090	uint	RD	UTC timestamp: max. value, 61. harmonic current L1	s		
18092	uint	RD	UTC timestamp: max. value, 62. harmonic current L1	s		
18094	uint	RD	UTC timestamp: max. value, 63. harmonic current L1	s		
18096	uint	RD	UTC timestamp: max. value, 64. harmonic current L1	s		
18098	uint	RD	UTC timestamp: max. value, 65. harmonic current L1	s		
18100	uint	RD	UTC timestamp: max. value, 41. harmonic current L2	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
18102	uint	RD	UTC timestamp: max. value, 42. harmonic current L2	s		
18104	uint	RD	UTC timestamp: max. value, 43. harmonic current L2	s		
18106	uint	RD	UTC timestamp: max. value, 44. harmonic current L2	s		
18108	uint	RD	UTC timestamp: max. value, 45. harmonic current L2	s		
18110	uint	RD	UTC timestamp: max. value, 46. harmonic current L2	s		
18112	uint	RD	UTC timestamp: max. value, 47. harmonic current L2	s		
18114	uint	RD	UTC timestamp: max. value, 48. harmonic current L2	s		
18116	uint	RD	UTC timestamp: max. value, 49. harmonic current L2	s		
18118	uint	RD	UTC timestamp: max. value, 50. harmonic current L2	s		
18120	uint	RD	UTC timestamp: max. value, 51. harmonic current L2	s		
18122	uint	RD	UTC timestamp: max. value, 52. harmonic current L2	s		
18124	uint	RD	UTC timestamp: max. value, 53. harmonic current L2	s		
18126	uint	RD	UTC timestamp: max. value, 54. harmonic current L2	s		
18128	uint	RD	UTC timestamp: max. value, 55. harmonic current L2	s		
18130	uint	RD	UTC timestamp: max. value, 56. harmonic current L2	s		
18132	uint	RD	UTC timestamp: max. value, 57. harmonic current L2	s		
18134	uint	RD	UTC timestamp: max. value, 58. harmonic current L2	s		
18136	uint	RD	UTC timestamp: max. value, 59. harmonic current L2	s		
18138	uint	RD	UTC timestamp: max. value, 60. harmonic current L2	s		
18140	uint	RD	UTC timestamp: max. value, 61. harmonic current L2	s		
18142	uint	RD	UTC timestamp: max. value, 62. harmonic current L2	s		
18144	uint	RD	UTC timestamp: max. value, 63. harmonic current L2	s		
18146	uint	RD	UTC timestamp: max. value, 64. harmonic current L2	s		
18148	uint	RD	UTC timestamp: max. value, 65. harmonic current L2	s		
18150	uint	RD	UTC timestamp: max. value, 41. harmonic current L3	s		
18152	uint	RD	UTC timestamp: max. value, 42. harmonic current L3	s		
18154	uint	RD	UTC timestamp: max. value, 43. harmonic current L3	s		
18156	uint	RD	UTC timestamp: max. value, 44. harmonic current L3	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
18158	uint	RD	UTC timestamp: max. value, 45. harmonic current L3	s		
18160	uint	RD	UTC timestamp: max. value, 46. harmonic current L3	s		
18162	uint	RD	UTC timestamp: max. value, 47. harmonic current L3	s		
18164	uint	RD	UTC timestamp: max. value, 48. harmonic current L3	s		
18166	uint	RD	UTC timestamp: max. value, 49. harmonic current L3	s		
18168	uint	RD	UTC timestamp: max. value, 50. harmonic current L3	s		
18170	uint	RD	UTC timestamp: max. value, 51. harmonic current L3	s		
18172	uint	RD	UTC timestamp: max. value, 52. harmonic current L3	s		
18174	uint	RD	UTC timestamp: max. value, 53. harmonic current L3	s		
18176	uint	RD	UTC timestamp: max. value, 54. harmonic current L3	s		
18178	uint	RD	UTC timestamp: max. value, 55. harmonic current L3	s		
18180	uint	RD	UTC timestamp: max. value, 56. harmonic current L3	s		
18182	uint	RD	UTC timestamp: max. value, 57. harmonic current L3	s		
18184	uint	RD	UTC timestamp: max. value, 58. harmonic current L3	s		
18186	uint	RD	UTC timestamp: max. value, 59. harmonic current L3	s		
18188	uint	RD	UTC timestamp: max. value, 60. harmonic current L3	s		
18190	uint	RD	UTC timestamp: max. value, 61. harmonic current L3	s		
18192	uint	RD	UTC timestamp: max. value, 62. harmonic current L3	s		
18194	uint	RD	UTC timestamp: max. value, 63. harmonic current L3	s		
18196	uint	RD	UTC timestamp: max. value, 64. harmonic current L3	s		
18198	uint	RD	UTC timestamp: max. value, 65. harmonic current L3	s		

Minimalwerte, erweiterte Fourieranalyse

18200	float	RD	Min. value, 41. harmonic voltage L1	V
18202	float	RD	Min. value, 42. harmonic voltage L1	V
18204	float	RD	Min. value, 43. harmonic voltage L1	V
18206	float	RD	Min. value, 44. harmonic voltage L1	V
18208	float	RD	Min. value, 45. harmonic voltage L1	V
18210	float	RD	Min. value, 46. harmonic voltage L1	V
18212	float	RD	Min. value, 47. harmonic voltage L1	V
18214	float	RD	Min. value, 48. harmonic voltage L1	V

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
18216	float	RD	Min. value, 49. harmonic voltage L1	V		
18218	float	RD	Min. value, 50. harmonic voltage L1	V		
18220	float	RD	Min. value, 51. harmonic voltage L1	V		
18222	float	RD	Min. value, 52. harmonic voltage L1	V		
18224	float	RD	Min. value, 53. harmonic voltage L1	V		
18226	float	RD	Min. value, 54. harmonic voltage L1	V		
18228	float	RD	Min. value, 55. harmonic voltage L1	V		
18230	float	RD	Min. value, 56. harmonic voltage L1	V		
18232	float	RD	Min. value, 57. harmonic voltage L1	V		
18234	float	RD	Min. value, 58. harmonic voltage L1	V		
18236	float	RD	Min. value, 59. harmonic voltage L1	V		
18238	float	RD	Min. value, 60. harmonic voltage L1	V		
18240	float	RD	Min. value, 61. harmonic voltage L1	V		
18242	float	RD	Min. value, 62. harmonic voltage L1	V		
18244	float	RD	Min. value, 63. harmonic voltage L1	V		
18246	float	RD	Min. value, 64. harmonic voltage L1	V		
18248	float	RD	Min. value, 65. harmonic voltage L1	V		
18250	float	RD	Min. value, 41. harmonic voltage L2	V		
18252	float	RD	Min. value, 42. harmonic voltage L2	V		
18254	float	RD	Min. value, 43. harmonic voltage L2	V		
18256	float	RD	Min. value, 44. harmonic voltage L2	V		
18258	float	RD	Min. value, 45. harmonic voltage L2	V		
18260	float	RD	Min. value, 46. harmonic voltage L2	V		
18262	float	RD	Min. value, 47. harmonic voltage L2	V		
18264	float	RD	Min. value, 48. harmonic voltage L2	V		
18266	float	RD	Min. value, 49. harmonic voltage L2	V		
18268	float	RD	Min. value, 50. harmonic voltage L2	V		
18270	float	RD	Min. value, 51. harmonic voltage L2	V		
18272	float	RD	Min. value, 52. harmonic voltage L2	V		
18274	float	RD	Min. value, 53. harmonic voltage L2	V		
18276	float	RD	Min. value, 54. harmonic voltage L2	V		
18278	float	RD	Min. value, 55. harmonic voltage L2	V		
18280	float	RD	Min. value, 56. harmonic voltage L2	V		
18282	float	RD	Min. value, 57. harmonic voltage L2	V		
18284	float	RD	Min. value, 58. harmonic voltage L2	V		
18286	float	RD	Min. value, 59. harmonic voltage L2	V		
18288	float	RD	Min. value, 60. harmonic voltage L2	V		
18290	float	RD	Min. value, 61. harmonic voltage L2	V		
18292	float	RD	Min. value, 62. harmonic voltage L2	V		
18294	float	RD	Min. value, 63. harmonic voltage L2	V		
18296	float	RD	Min. value, 64. harmonic voltage L2	V		
18298	float	RD	Min. value, 65. harmonic voltage L2	V		
18300	float	RD	Min. value, 41. harmonic voltage L3	V		
18302	float	RD	Min. value, 42. harmonic voltage L3	V		
18304	float	RD	Min. value, 43. harmonic voltage L3	V		
18306	float	RD	Min. value, 44. harmonic voltage L3	V		
18308	float	RD	Min. value, 45. harmonic voltage L3	V		
18310	float	RD	Min. value, 46. harmonic voltage L3	V		
18312	float	RD	Min. value, 47. harmonic voltage L3	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
18314	float	RD	Min. value, 48. harmonic voltage L3	V		
18316	float	RD	Min. value, 49. harmonic voltage L3	V		
18318	float	RD	Min. value, 50. harmonic voltage L3	V		
18320	float	RD	Min. value, 51. harmonic voltage L3	V		
18322	float	RD	Min. value, 52. harmonic voltage L3	V		
18324	float	RD	Min. value, 53. harmonic voltage L3	V		
18326	float	RD	Min. value, 54. harmonic voltage L3	V		
18328	float	RD	Min. value, 55. harmonic voltage L3	V		
18330	float	RD	Min. value, 56. harmonic voltage L3	V		
18332	float	RD	Min. value, 57. harmonic voltage L3	V		
18334	float	RD	Min. value, 58. harmonic voltage L3	V		
18336	float	RD	Min. value, 59. harmonic voltage L3	V		
18338	float	RD	Min. value, 60. harmonic voltage L3	V		
18340	float	RD	Min. value, 61. harmonic voltage L3	V		
18342	float	RD	Min. value, 62. harmonic voltage L3	V		
18344	float	RD	Min. value, 63. harmonic voltage L3	V		
18346	float	RD	Min. value, 64. harmonic voltage L3	V		
18348	float	RD	Min. value, 65. harmonic voltage L3	V		

Minimalwerte, Zeitstempel, erweiterte Fourieranalyse

18350	uint	RD	UTC timestamp: min. value, 41. harmonic voltage L1	s
18352	uint	RD	UTC timestamp: min. value, 42. harmonic voltage L1	s
18354	uint	RD	UTC timestamp: min. value, 43. harmonic voltage L1	s
18356	uint	RD	UTC timestamp: min. value, 44. harmonic voltage L1	s
18358	uint	RD	UTC timestamp: min. value, 45. harmonic voltage L1	s
18360	uint	RD	UTC timestamp: min. value, 46. harmonic voltage L1	s
18362	uint	RD	UTC timestamp: min. value, 47. harmonic voltage L1	s
18364	uint	RD	UTC timestamp: min. value, 48. harmonic voltage L1	s
18366	uint	RD	UTC timestamp: min. value, 49. harmonic voltage L1	s
18368	uint	RD	UTC timestamp: min. value, 50. harmonic voltage L1	s
18370	uint	RD	UTC timestamp: min. value, 51. harmonic voltage L1	s
18372	uint	RD	UTC timestamp: min. value, 52. harmonic voltage L1	s
18374	uint	RD	UTC timestamp: min. value, 53. harmonic voltage L1	s
18376	uint	RD	UTC timestamp: min. value, 54. harmonic voltage L1	s
18378	uint	RD	UTC timestamp: min. value, 55. harmonic voltage L1	s

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
18380	uint	RD	UTC timestamp: min. value, 56. harmonic voltage L1	s		
18382	uint	RD	UTC timestamp: min. value, 57. harmonic voltage L1	s		
18384	uint	RD	UTC timestamp: min. value, 58. harmonic voltage L1	s		
18386	uint	RD	UTC timestamp: min. value, 59. harmonic voltage L1	s		
18388	uint	RD	UTC timestamp: min. value, 60. harmonic voltage L1	s		
18390	uint	RD	UTC timestamp: min. value, 61. harmonic voltage L1	s		
18392	uint	RD	UTC timestamp: min. value, 62. harmonic voltage L1	s		
18394	uint	RD	UTC timestamp: min. value, 63. harmonic voltage L1	s		
18396	uint	RD	UTC timestamp: min. value, 64. harmonic voltage L1	s		
18398	uint	RD	UTC timestamp: min. value, 65. harmonic voltage L1	s		
18400	uint	RD	UTC timestamp: min. value, 41. harmonic voltage L2	s		
18402	uint	RD	UTC timestamp: min. value, 42. harmonic voltage L2	s		
18404	uint	RD	UTC timestamp: min. value, 43. harmonic voltage L2	s		
18406	uint	RD	UTC timestamp: min. value, 44. harmonic voltage L2	s		
18408	uint	RD	UTC timestamp: min. value, 45. harmonic voltage L2	s		
18410	uint	RD	UTC timestamp: min. value, 46. harmonic voltage L2	s		
18412	uint	RD	UTC timestamp: min. value, 47. harmonic voltage L2	s		
18414	uint	RD	UTC timestamp: min. value, 48. harmonic voltage L2	s		
18416	uint	RD	UTC timestamp: min. value, 49. harmonic voltage L2	s		
18418	uint	RD	UTC timestamp: min. value, 50. harmonic voltage L2	s		
18420	uint	RD	UTC timestamp: min. value, 51. harmonic voltage L2	s		
18422	uint	RD	UTC timestamp: min. value, 52. harmonic voltage L2	s		
18424	uint	RD	UTC timestamp: min. value, 53. harmonic voltage L2	s		
18426	uint	RD	UTC timestamp: min. value, 54. harmonic voltage L2	s		
18428	uint	RD	UTC timestamp: min. value, 55. harmonic voltage L2	s		
18430	uint	RD	UTC timestamp: min. value, 56. harmonic voltage L2	s		
18432	uint	RD	UTC timestamp: min. value, 57. harmonic voltage L2	s		
18434	uint	RD	UTC timestamp: min. value, 58. harmonic voltage L2	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
18436	uint	RD	UTC timestamp: min. value, 59. harmonic voltage L2	s		
18438	uint	RD	UTC timestamp: min. value, 60. harmonic voltage L2	s		
18440	uint	RD	UTC timestamp: min. value, 61. harmonic voltage L2	s		
18442	uint	RD	UTC timestamp: min. value, 62. harmonic voltage L2	s		
18444	uint	RD	UTC timestamp: min. value, 63. harmonic voltage L2	s		
18446	uint	RD	UTC timestamp: min. value, 64. harmonic voltage L2	s		
18448	uint	RD	UTC timestamp: min. value, 65. harmonic voltage L2	s		
18450	uint	RD	UTC timestamp: min. value, 41. harmonic voltage L3	s		
18452	uint	RD	UTC timestamp: min. value, 42. harmonic voltage L3	s		
18454	uint	RD	UTC timestamp: min. value, 43. harmonic voltage L3	s		
18456	uint	RD	UTC timestamp: min. value, 44. harmonic voltage L3	s		
18458	uint	RD	UTC timestamp: min. value, 45. harmonic voltage L3	s		
18460	uint	RD	UTC timestamp: min. value, 46. harmonic voltage L3	s		
18462	uint	RD	UTC timestamp: min. value, 47. harmonic voltage L3	s		
18464	uint	RD	UTC timestamp: min. value, 48. harmonic voltage L3	s		
18466	uint	RD	UTC timestamp: min. value, 49. harmonic voltage L3	s		
18468	uint	RD	UTC timestamp: min. value, 50. harmonic voltage L3	s		
18470	uint	RD	UTC timestamp: min. value, 51. harmonic voltage L3	s		
18472	uint	RD	UTC timestamp: min. value, 52. harmonic voltage L3	s		
18474	uint	RD	UTC timestamp: min. value, 53. harmonic voltage L3	s		
18476	uint	RD	UTC timestamp: min. value, 54. harmonic voltage L3	s		
18478	uint	RD	UTC timestamp: min. value, 55. harmonic voltage L3	s		
18480	uint	RD	UTC timestamp: min. value, 56. harmonic voltage L3	s		
18482	uint	RD	UTC timestamp: min. value, 57. harmonic voltage L3	s		
18484	uint	RD	UTC timestamp: min. value, 58. harmonic voltage L3	s		
18486	uint	RD	UTC timestamp: min. value, 59. harmonic voltage L3	s		
18488	uint	RD	UTC timestamp: min. value, 60. harmonic voltage L3	s		
18490	uint	RD	UTC timestamp: min. value, 61. harmonic voltage L3	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
18492	uint	RD	UTC timestamp: min. value, 62. harmonic voltage L3	s		
18494	uint	RD	UTC timestamp: min. value, 63. harmonic voltage L3	s		
18496	uint	RD	UTC timestamp: min. value, 64. harmonic voltage L3	s		
18498	uint	RD	UTC timestamp: min. value, 65. harmonic voltage L3	s		

Gleitende Mittelwerte, erweiterte Fourieranalyse

17300	float	RD	Mean value: 41. harmonic voltage L1	V		
17302	float	RD	Mean value: 42. harmonic voltage L1	V		
17304	float	RD	Max. value: 43. harmonic voltage L1	V		
17306	float	RD	Max. value: 44. harmonic voltage L1	V		
17308	float	RD	Max. value: 45. harmonic voltage L1	V		
17310	float	RD	Max. value: 46. harmonic voltage L1	V		
17312	float	RD	Max. value: 47. harmonic voltage L1	V		
17314	float	RD	Max. value: 48. harmonic voltage L1	V		
17316	float	RD	Max. value: 49. harmonic voltage L1	V		
17318	float	RD	Max. value: 50. harmonic voltage L1	V		
17320	float	RD	Max. value: 51. harmonic voltage L1	V		
17322	float	RD	Max. value: 52. harmonic voltage L1	V		
17324	float	RD	Max. value: 53. harmonic voltage L1	V		
17326	float	RD	Max. value: 54. harmonic voltage L1	V		
17328	float	RD	Max. value: 55. harmonic voltage L1	V		
17330	float	RD	Max. value: 56. harmonic voltage L1	V		
17332	float	RD	Max. value: 57. harmonic voltage L1	V		
17334	float	RD	Max. value: 58. harmonic voltage L1	V		
17336	float	RD	Max. value: 59. harmonic voltage L1	V		
17338	float	RD	Max. value: 60. harmonic voltage L1	V		
17340	float	RD	Max. value: 61. harmonic voltage L1	V		
17342	float	RD	Max. value: 62. harmonic voltage L1	V		
17344	float	RD	Max. value: 63. harmonic voltage L1	V		
17346	float	RD	Max. value: 64. harmonic voltage L1	V		
17348	float	RD	Max. value: 65. harmonic voltage L1	V		
17350	float	RD	Mean value: 41. harmonic voltage L2	V		
17352	float	RD	Mean value: 42. harmonic voltage L2	V		
17354	float	RD	Mean value: 43. harmonic voltage L2	V		
17356	float	RD	Mean value: 44. harmonic voltage L2	V		
17358	float	RD	Mean value: 45. harmonic voltage L2	V		
17360	float	RD	Mean value: 46. harmonic voltage L2	V		
17362	float	RD	Mean value: 47. harmonic voltage L2	V		
17364	float	RD	Mean value: 48. harmonic voltage L2	V		
17366	float	RD	Mean value: 49. harmonic voltage L2	V		
17368	float	RD	Mean value: 50. harmonic voltage L2	V		
17370	float	RD	Mean value: 51. harmonic voltage L2	V		
17372	float	RD	Mean value: 52. harmonic voltage L2	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17374	float	RD	Mean value: 53. harmonic voltage L2	V		
17376	float	RD	Mean value: 54. harmonic voltage L2	V		
17378	float	RD	Mean value: 55. harmonic voltage L2	V		
17380	float	RD	Mean value: 56. harmonic voltage L2	V		
17382	float	RD	Mean value: 57. harmonic voltage L2	V		
17384	float	RD	Mean value: 58. harmonic voltage L2	V		
17386	float	RD	Mean value: 59. harmonic voltage L2	V		
17388	float	RD	Mean value: 60. harmonic voltage L2	V		
17390	float	RD	Mean value: 61. harmonic voltage L2	V		
17392	float	RD	Mean value: 62. harmonic voltage L2	V		
17394	float	RD	Mean value: 63. harmonic voltage L2	V		
17396	float	RD	Mean value: 64. harmonic voltage L2	V		
17398	float	RD	Mean value: 65. harmonic voltage L2	V		
17400	float	RD	Mean value: 41. harmonic voltage L3	V		
17402	float	RD	Mean value: 42. harmonic voltage L3	V		
17404	float	RD	Mean value: 43. harmonic voltage L3	V		
17406	float	RD	Mean value: 44. harmonic voltage L3	V		
17408	float	RD	Mean value: 45. harmonic voltage L3	V		
17410	float	RD	Mean value: 46. harmonic voltage L3	V		
17412	float	RD	Mean value: 47. harmonic voltage L3	V		
17414	float	RD	Mean value: 48. harmonic voltage L3	V		
17416	float	RD	Mean value: 49. harmonic voltage L3	V		
17418	float	RD	Mean value: 50. harmonic voltage L3	V		
17420	float	RD	Mean value: 51. harmonic voltage L3	V		
17422	float	RD	Mean value: 52. harmonic voltage L3	V		
17424	float	RD	Mean value: 53. harmonic voltage L3	V		
17426	float	RD	Mean value: 54. harmonic voltage L3	V		
17428	float	RD	Mean value: 55. harmonic voltage L3	V		
17430	float	RD	Mean value: 56. harmonic voltage L3	V		
17432	float	RD	Mean value: 57. harmonic voltage L3	V		
17434	float	RD	Mean value: 58. harmonic voltage L3	V		
17436	float	RD	Mean value: 59. harmonic voltage L3	V		
17438	float	RD	Mean value: 60. harmonic voltage L3	V		
17440	float	RD	Mean value: 61. harmonic voltage L3	V		
17442	float	RD	Mean value: 62. harmonic voltage L3	V		
17444	float	RD	Mean value: 63. harmonic voltage L3	V		
17446	float	RD	Mean value: 64. harmonic voltage L3	V		
17448	float	RD	Mean value: 65. harmonic voltage L3	V		
17450	float	RD	Mean value: 41. harmonic current L1	A		
17452	float	RD	Mean value: 42. harmonic current L1	A		
17454	float	RD	Mean value: 43. harmonic current L1	A		
17456	float	RD	Mean value: 44. harmonic current L1	A		
17458	float	RD	Mean value: 45. harmonic current L1	A		
17460	float	RD	Mean value: 46. harmonic current L1	A		
17462	float	RD	Mean value: 47. harmonic current L1	A		
17464	float	RD	Mean value: 48. harmonic current L1	A		
17466	float	RD	Mean value: 49. harmonic current L1	A		
17468	float	RD	Mean value: 50. harmonic current L1	A		
17470	float	RD	Mean value: 51. harmonic current L1	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17472	float	RD	Mean value: 52. harmonic current L1	A		
17474	float	RD	Mean value: 53. harmonic current L1	A		
17476	float	RD	Mean value: 54. harmonic current L1	A		
17478	float	RD	Mean value: 55. harmonic current L1	A		
17480	float	RD	Mean value: 56. harmonic current L1	A		
17482	float	RD	Mean value: 57. harmonic current L1	A		
17484	float	RD	Mean value: 58. harmonic current L1	A		
17486	float	RD	Mean value: 59. harmonic current L1	A		
17488	float	RD	Mean value: 60. harmonic current L1	A		
17490	float	RD	Mean value: 61. harmonic current L1	A		
17492	float	RD	Mean value: 62. harmonic current L1	A		
17494	float	RD	Mean value: 63. harmonic current L1	A		
17496	float	RD	Mean value: 64. harmonic current L1	A		
17498	float	RD	Mean value: 65. harmonic current L1	A		
17500	float	RD	Mean value: 41. harmonic current L2	A		
17502	float	RD	Mean value: 42. harmonic current L2	A		
17504	float	RD	Mean value: 43. harmonic current L2	A		
17506	float	RD	Mean value: 44. harmonic current L2	A		
17508	float	RD	Mean value: 45. harmonic current L2	A		
17510	float	RD	Mean value: 46. harmonic current L2	A		
17512	float	RD	Mean value: 47. harmonic current L2	A		
17514	float	RD	Mean value: 48. harmonic current L2	A		
17516	float	RD	Mean value: 49. harmonic current L2	A		
17518	float	RD	Mean value: 50. harmonic current L2	A		
17520	float	RD	Mean value: 51. harmonic current L2	A		
17522	float	RD	Mean value: 52. harmonic current L2	A		
17524	float	RD	Mean value: 53. harmonic current L2	A		
17526	float	RD	Mean value: 54. harmonic current L2	A		
17528	float	RD	Mean value: 55. harmonic current L2	A		
17530	float	RD	Mean value: 56. harmonic current L2	A		
17532	float	RD	Mean value: 57. harmonic current L2	A		
17534	float	RD	Mean value: 58. harmonic current L2	A		
17536	float	RD	Mean value: 59. harmonic current L2	A		
17538	float	RD	Mean value: 60. harmonic current L2	A		
17540	float	RD	Mean value: 61. harmonic current L2	A		
17542	float	RD	Mean value: 62. harmonic current L2	A		
17544	float	RD	Mean value: 63. harmonic current L2	A		
17546	float	RD	Mean value: 64. harmonic current L2	A		
17548	float	RD	Mean value: 65. harmonic current L2	A		
17550	float	RD	Mean value: 41. harmonic current L3	A		
17552	float	RD	Mean value: 42. harmonic current L3	A		
17554	float	RD	Mean value: 43. harmonic current L3	A		
17556	float	RD	Mean value: 44. harmonic current L3	A		
17558	float	RD	Mean value: 45. harmonic current L3	A		
17560	float	RD	Mean value: 46. harmonic current L3	A		
17562	float	RD	Mean value: 47. harmonic current L3	A		
17564	float	RD	Mean value: 48. harmonic current L3	A		
17566	float	RD	Mean value: 49. harmonic current L3	A		
17568	float	RD	Mean value: 50. harmonic current L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
17570	float	RD	Mean value: 51. harmonic current L3	A		
17572	float	RD	Mean value: 52. harmonic current L3	A		
17574	float	RD	Mean value: 53. harmonic current L3	A		
17576	float	RD	Mean value: 54. harmonic current L3	A		
17578	float	RD	Mean value: 55. harmonic current L3	A		
17580	float	RD	Mean value: 56. harmonic current L3	A		
17582	float	RD	Mean value: 57. harmonic current L3	A		
17584	float	RD	Mean value: 58. harmonic current L3	A		
17586	float	RD	Mean value: 59. harmonic current L3	A		
17588	float	RD	Mean value: 60. harmonic current L3	A		
17590	float	RD	Mean value: 61. harmonic current L3	A		
17592	float	RD	Mean value: 62. harmonic current L3	A		
17594	float	RD	Mean value: 63. harmonic current L3	A		
17596	float	RD	Mean value: 64. harmonic current L3	A		
17598	float	RD	Mean value: 65. harmonic current L3	A		

Sonstige Parameter

8	char	RD/WR	Reset Min/Max values, 1 = Reset			
9	char	RD/WR	Reset Energy values, 1 = Reset			
100	uint	RD/WR	UTC timestamp for time synchronisation via Modbus (RS485)			
911	uint	RD	Serial number			
20004	ushort	RD	Firmeware version of the device. Example: ‚355‘ means version 3.55			
20012	uint	RD/WR	Production number			
20016	uint	RD/WR	Article number			
20047	ushort	RD/WR	Device type ID: UMG 96-PA=19, UMG 96-PA-MID+=30, UMG 96-PQ-L=32, UMG 96-PQ-L (IT)=34, UMG 96-PQ-L-LP=38		0	65535
25000	string	RD/WR	freely programmable device name. Up to 127 characters			
25128	string	RD/WR	Device description. Up to 239 characters			
31498	ushort	RD/WR	clock synchronisation validation Interval in hours, set to zero to deactivate	h	0	168
31499	ushort	RD	Validate time synchronization, 0 = valid			
31500	ushort	RD/WR	EN60870 Time structure, Millisecond			
31501	ushort	RD/WR	EN60870 Time structure, Minutes & Hour			
31502	ushort	RD/WR	EN60870 Time structure, Day, Weekday & Month			
31503	ushort	RD/WR	EN60870 Time structure, Year			
32604	short	RD/WR	enable Modbus Broadcast, device will receive messages with slave address 0, 1 = enable		0	1

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
Zwischenharmonische - nur mit IEC 61000-4-30, Klasse S						
21000	float	RD	1. Interharmonics I-L1	A		
21002	float	RD	2. Interharmonics I-L1	A		
21004	float	RD	3. Interharmonics I-L1	A		
21006	float	RD	4. Interharmonics I-L1	A		
21008	float	RD	5. Interharmonics I-L1	A		
21010	float	RD	6. Interharmonics I-L1	A		
21012	float	RD	7. Interharmonics I-L1	A		
21014	float	RD	8. Interharmonics I-L1	A		
21016	float	RD	9. Interharmonics I-L1	A		
21018	float	RD	10. Interharmonics I-L1	A		
21020	float	RD	11. Interharmonics I-L1	A		
21022	float	RD	12. Interharmonics I-L1	A		
21024	float	RD	13. Interharmonics I-L1	A		
21026	float	RD	14. Interharmonics I-L1	A		
21028	float	RD	15. Interharmonics I-L1	A		
21030	float	RD	16. Interharmonics I-L1	A		
21032	float	RD	17. Interharmonics I-L1	A		
21034	float	RD	18. Interharmonics I-L1	A		
21036	float	RD	19. Interharmonics I-L1	A		
21038	float	RD	20. Interharmonics I-L1	A		
21040	float	RD	21. Interharmonics I-L1	A		
21042	float	RD	22. Interharmonics I-L1	A		
21044	float	RD	23. Interharmonics I-L1	A		
21046	float	RD	24. Interharmonics I-L1	A		
21048	float	RD	25. Interharmonics I-L1	A		
21050	float	RD	26. Interharmonics I-L1	A		
21052	float	RD	27. Interharmonics I-L1	A		
21054	float	RD	28. Interharmonics I-L1	A		
21056	float	RD	29. Interharmonics I-L1	A		
21058	float	RD	30. Interharmonics I-L1	A		
21060	float	RD	31. Interharmonics I-L1	A		
21062	float	RD	32. Interharmonics I-L1	A		
21064	float	RD	33. Interharmonics I-L1	A		
21066	float	RD	34. Interharmonics I-L1	A		
21068	float	RD	35. Interharmonics I-L1	A		
21070	float	RD	36. Interharmonics I-L1	A		
21072	float	RD	37. Interharmonics I-L1	A		
21074	float	RD	38. Interharmonics I-L1	A		
21076	float	RD	39. Interharmonics I-L1	A		
21078	float	RD	40. Interharmonics I-L1	A		
21080	float	RD	41. Interharmonics I-L1	A		
21082	float	RD	42. Interharmonics I-L1	A		
21084	float	RD	43. Interharmonics I-L1	A		
21086	float	RD	44. Interharmonics I-L1	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
21088	float	RD	45. Interharmonics I-L1	A		
21090	float	RD	46. Interharmonics I-L1	A		
21092	float	RD	47. Interharmonics I-L1	A		
21094	float	RD	48. Interharmonics I-L1	A		
21096	float	RD	49. Interharmonics I-L1	A		
21098	float	RD	50. Interharmonics I-L1	A		
21100	float	RD	51. Interharmonics I-L1	A		
21102	float	RD	52. Interharmonics I-L1	A		
21104	float	RD	53. Interharmonics I-L1	A		
21106	float	RD	54. Interharmonics I-L1	A		
21108	float	RD	55. Interharmonics I-L1	A		
21110	float	RD	56. Interharmonics I-L1	A		
21112	float	RD	57. Interharmonics I-L1	A		
21114	float	RD	58. Interharmonics I-L1	A		
21116	float	RD	59. Interharmonics I-L1	A		
21118	float	RD	60. Interharmonics I-L1	A		
21120	float	RD	61. Interharmonics I-L1	A		
21122	float	RD	62. Interharmonics I-L1	A		
21124	float	RD	63. Interharmonics I-L1	A		
21126	float	RD	64. Interharmonics I-L1	A		
21128	float	RD	65. Interharmonics I-L1	A		
21130	float	RD	1. Interharmonics U-L1	V		
21132	float	RD	2. Interharmonics U-L1	V		
21134	float	RD	3. Interharmonics U-L1	V		
21136	float	RD	4. Interharmonics U-L1	V		
21138	float	RD	5. Interharmonics U-L1	V		
21140	float	RD	6. Interharmonics U-L1	V		
21142	float	RD	7. Interharmonics U-L1	V		
21144	float	RD	8. Interharmonics U-L1	V		
21146	float	RD	9. Interharmonics U-L1	V		
21148	float	RD	10. Interharmonics U-L1	V		
21150	float	RD	11. Interharmonics U-L1	V		
21152	float	RD	12. Interharmonics U-L1	V		
21154	float	RD	13. Interharmonics U-L1	V		
21156	float	RD	14. Interharmonics U-L1	V		
21158	float	RD	15. Interharmonics U-L1	V		
21160	float	RD	16. Interharmonics U-L1	V		
21162	float	RD	17. Interharmonics U-L1	V		
21164	float	RD	18. Interharmonics U-L1	V		
21166	float	RD	19. Interharmonics U-L1	V		
21168	float	RD	20. Interharmonics U-L1	V		
21170	float	RD	21. Interharmonics U-L1	V		
21172	float	RD	22. Interharmonics U-L1	V		
21174	float	RD	23. Interharmonics U-L1	V		
21176	float	RD	24. Interharmonics U-L1	V		
21178	float	RD	25. Interharmonics U-L1	V		
21180	float	RD	26. Interharmonics U-L1	V		
21182	float	RD	27. Interharmonics U-L1	V		
21184	float	RD	28. Interharmonics U-L1	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
21186	float	RD	29. Interharmonics U-L1	V		
21188	float	RD	30. Interharmonics U-L1	V		
21190	float	RD	31. Interharmonics U-L1	V		
21192	float	RD	32. Interharmonics U-L1	V		
21194	float	RD	33. Interharmonics U-L1	V		
21196	float	RD	34. Interharmonics U-L1	V		
21198	float	RD	35. Interharmonics U-L1	V		
21200	float	RD	36. Interharmonics U-L1	V		
21202	float	RD	37. Interharmonics U-L1	V		
21204	float	RD	38. Interharmonics U-L1	V		
21206	float	RD	39. Interharmonics U-L1	V		
21208	float	RD	40. Interharmonics U-L1	V		
21210	float	RD	41. Interharmonics U-L1	V		
21212	float	RD	42. Interharmonics U-L1	V		
21214	float	RD	43. Interharmonics U-L1	V		
21216	float	RD	44. Interharmonics U-L1	V		
21218	float	RD	45. Interharmonics U-L1	V		
21220	float	RD	46. Interharmonics U-L1	V		
21222	float	RD	47. Interharmonics U-L1	V		
21224	float	RD	48. Interharmonics U-L1	V		
21226	float	RD	49. Interharmonics U-L1	V		
21228	float	RD	50. Interharmonics U-L1	V		
21230	float	RD	51. Interharmonics U-L1	V		
21232	float	RD	52. Interharmonics U-L1	V		
21234	float	RD	53. Interharmonics U-L1	V		
21236	float	RD	54. Interharmonics U-L1	V		
21238	float	RD	55. Interharmonics U-L1	V		
21240	float	RD	56. Interharmonics U-L1	V		
21242	float	RD	57. Interharmonics U-L1	V		
21244	float	RD	58. Interharmonics U-L1	V		
21246	float	RD	59. Interharmonics U-L1	V		
21248	float	RD	60. Interharmonics U-L1	V		
21250	float	RD	61. Interharmonics U-L1	V		
21252	float	RD	62. Interharmonics U-L1	V		
21254	float	RD	63. Interharmonics U-L1	V		
21256	float	RD	64. Interharmonics U-L1	V		
21258	float	RD	65. Interharmonics U-L1	V		
21260	float	RD	1. Interharmonics I-L2	A		
21262	float	RD	2. Interharmonics I-L2	A		
21264	float	RD	3. Interharmonics I-L2	A		
21266	float	RD	4. Interharmonics I-L2	A		
21268	float	RD	5. Interharmonics I-L2	A		
21270	float	RD	6. Interharmonics I-L2	A		
21272	float	RD	7. Interharmonics I-L2	A		
21274	float	RD	8. Interharmonics I-L2	A		
21276	float	RD	9. Interharmonics I-L2	A		
21278	float	RD	10. Interharmonics I-L2	A		
21280	float	RD	11. Interharmonics I-L2	A		
21282	float	RD	12. Interharmonics I-L2	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
21284	float	RD	13. Interharmonics I-L2	A		
21286	float	RD	14. Interharmonics I-L2	A		
21288	float	RD	15. Interharmonics I-L2	A		
21290	float	RD	16. Interharmonics I-L2	A		
21292	float	RD	17. Interharmonics I-L2	A		
21294	float	RD	18. Interharmonics I-L2	A		
21296	float	RD	19. Interharmonics I-L2	A		
21298	float	RD	20. Interharmonics I-L2	A		
21300	float	RD	21. Interharmonics I-L2	A		
21302	float	RD	22. Interharmonics I-L2	A		
21304	float	RD	23. Interharmonics I-L2	A		
21306	float	RD	24. Interharmonics I-L2	A		
21308	float	RD	25. Interharmonics I-L2	A		
21310	float	RD	26. Interharmonics I-L2	A		
21312	float	RD	27. Interharmonics I-L2	A		
21314	float	RD	28. Interharmonics I-L2	A		
21316	float	RD	29. Interharmonics I-L2	A		
21318	float	RD	30. Interharmonics I-L2	A		
21320	float	RD	31. Interharmonics I-L2	A		
21322	float	RD	32. Interharmonics I-L2	A		
21324	float	RD	33. Interharmonics I-L2	A		
21326	float	RD	34. Interharmonics I-L2	A		
21328	float	RD	35. Interharmonics I-L2	A		
21330	float	RD	36. Interharmonics I-L2	A		
21332	float	RD	37. Interharmonics I-L2	A		
21334	float	RD	38. Interharmonics I-L2	A		
21336	float	RD	39. Interharmonics I-L2	A		
21338	float	RD	40. Interharmonics I-L2	A		
21340	float	RD	41. Interharmonics I-L2	A		
21342	float	RD	42. Interharmonics I-L2	A		
21344	float	RD	43. Interharmonics I-L2	A		
21346	float	RD	44. Interharmonics I-L2	A		
21348	float	RD	45. Interharmonics I-L2	A		
21350	float	RD	46. Interharmonics I-L2	A		
21352	float	RD	47. Interharmonics I-L2	A		
21354	float	RD	48. Interharmonics I-L2	A		
21356	float	RD	49. Interharmonics I-L2	A		
21358	float	RD	50. Interharmonics I-L2	A		
21360	float	RD	51. Interharmonics I-L2	A		
21362	float	RD	52. Interharmonics I-L2	A		
21364	float	RD	53. Interharmonics I-L2	A		
21366	float	RD	54. Interharmonics I-L2	A		
21368	float	RD	55. Interharmonics I-L2	A		
21370	float	RD	56. Interharmonics I-L2	A		
21372	float	RD	57. Interharmonics I-L2	A		
21374	float	RD	58. Interharmonics I-L2	A		
21376	float	RD	59. Interharmonics I-L2	A		
21378	float	RD	60. Interharmonics I-L2	A		
21380	float	RD	61. Interharmonics I-L2	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
21382	float	RD	62. Interharmonics I-L2	A		
21384	float	RD	63. Interharmonics I-L2	A		
21386	float	RD	64. Interharmonics I-L2	A		
21388	float	RD	65. Interharmonics I-L2	A		
21390	float	RD	1. Interharmonics U-L2	V		
21392	float	RD	2. Interharmonics U-L2	V		
21394	float	RD	3. Interharmonics U-L2	V		
21396	float	RD	4. Interharmonics U-L2	V		
21398	float	RD	5. Interharmonics U-L2	V		
21400	float	RD	6. Interharmonics U-L2	V		
21402	float	RD	7. Interharmonics U-L2	V		
21404	float	RD	8. Interharmonics U-L2	V		
21406	float	RD	9. Interharmonics U-L2	V		
21408	float	RD	10. Interharmonics U-L2	V		
21410	float	RD	11. Interharmonics U-L2	V		
21412	float	RD	12. Interharmonics U-L2	V		
21414	float	RD	13. Interharmonics U-L2	V		
21416	float	RD	14. Interharmonics U-L2	V		
21418	float	RD	15. Interharmonics U-L2	V		
21420	float	RD	16. Interharmonics U-L2	V		
21422	float	RD	17. Interharmonics U-L2	V		
21424	float	RD	18. Interharmonics U-L2	V		
21426	float	RD	19. Interharmonics U-L2	V		
21428	float	RD	20. Interharmonics U-L2	V		
21430	float	RD	21. Interharmonics U-L2	V		
21432	float	RD	22. Interharmonics U-L2	V		
21434	float	RD	23. Interharmonics U-L2	V		
21436	float	RD	24. Interharmonics U-L2	V		
21438	float	RD	25. Interharmonics U-L2	V		
21440	float	RD	26. Interharmonics U-L2	V		
21442	float	RD	27. Interharmonics U-L2	V		
21444	float	RD	28. Interharmonics U-L2	V		
21446	float	RD	29. Interharmonics U-L2	V		
21448	float	RD	30. Interharmonics U-L2	V		
21450	float	RD	31. Interharmonics U-L2	V		
21452	float	RD	32. Interharmonics U-L2	V		
21454	float	RD	33. Interharmonics U-L2	V		
21456	float	RD	34. Interharmonics U-L2	V		
21458	float	RD	35. Interharmonics U-L2	V		
21460	float	RD	36. Interharmonics U-L2	V		
21462	float	RD	37. Interharmonics U-L2	V		
21464	float	RD	38. Interharmonics U-L2	V		
21466	float	RD	39. Interharmonics U-L2	V		
21468	float	RD	40. Interharmonics U-L2	V		
21470	float	RD	41. Interharmonics U-L2	V		
21472	float	RD	42. Interharmonics U-L2	V		
21474	float	RD	43. Interharmonics U-L2	V		
21476	float	RD	44. Interharmonics U-L2	V		
21478	float	RD	45. Interharmonics U-L2	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
21480	float	RD	46. Interharmonics U-L2	V		
21482	float	RD	47. Interharmonics U-L2	V		
21484	float	RD	48. Interharmonics U-L2	V		
21486	float	RD	49. Interharmonics U-L2	V		
21488	float	RD	50. Interharmonics U-L2	V		
21490	float	RD	51. Interharmonics U-L2	V		
21492	float	RD	52. Interharmonics U-L2	V		
21494	float	RD	53. Interharmonics U-L2	V		
21496	float	RD	54. Interharmonics U-L2	V		
21498	float	RD	55. Interharmonics U-L2	V		
21500	float	RD	56. Interharmonics U-L2	V		
21502	float	RD	57. Interharmonics U-L2	V		
21504	float	RD	58. Interharmonics U-L2	V		
21506	float	RD	59. Interharmonics U-L2	V		
21508	float	RD	60. Interharmonics U-L2	V		
21510	float	RD	61. Interharmonics U-L2	V		
21512	float	RD	62. Interharmonics U-L2	V		
21514	float	RD	63. Interharmonics U-L2	V		
21516	float	RD	64. Interharmonics U-L2	V		
21518	float	RD	65. Interharmonics U-L2	V		
21520	float	RD	1. Interharmonics I-L3	A		
21522	float	RD	2. Interharmonics I-L3	A		
21524	float	RD	3. Interharmonics I-L3	A		
21526	float	RD	4. Interharmonics I-L3	A		
21528	float	RD	5. Interharmonics I-L3	A		
21530	float	RD	6. Interharmonics I-L3	A		
21532	float	RD	7. Interharmonics I-L3	A		
21534	float	RD	8. Interharmonics I-L3	A		
21536	float	RD	9. Interharmonics I-L3	A		
21538	float	RD	10. Interharmonics I-L3	A		
21540	float	RD	11. Interharmonics I-L3	A		
21542	float	RD	12. Interharmonics I-L3	A		
21544	float	RD	13. Interharmonics I-L3	A		
21546	float	RD	14. Interharmonics I-L3	A		
21548	float	RD	15. Interharmonics I-L3	A		
21550	float	RD	16. Interharmonics I-L3	A		
21552	float	RD	17. Interharmonics I-L3	A		
21554	float	RD	18. Interharmonics I-L3	A		
21556	float	RD	19. Interharmonics I-L3	A		
21558	float	RD	20. Interharmonics I-L3	A		
21560	float	RD	21. Interharmonics I-L3	A		
21562	float	RD	22. Interharmonics I-L3	A		
21564	float	RD	23. Interharmonics I-L3	A		
21566	float	RD	24. Interharmonics I-L3	A		
21568	float	RD	25. Interharmonics I-L3	A		
21570	float	RD	26. Interharmonics I-L3	A		
21572	float	RD	27. Interharmonics I-L3	A		
21574	float	RD	28. Interharmonics I-L3	A		
21576	float	RD	29. Interharmonics I-L3	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
21578	float	RD	30. Interharmonics I-L3	A		
21580	float	RD	31. Interharmonics I-L3	A		
21582	float	RD	32. Interharmonics I-L3	A		
21584	float	RD	33. Interharmonics I-L3	A		
21586	float	RD	34. Interharmonics I-L3	A		
21588	float	RD	35. Interharmonics I-L3	A		
21590	float	RD	36. Interharmonics I-L3	A		
21592	float	RD	37. Interharmonics I-L3	A		
21594	float	RD	38. Interharmonics I-L3	A		
21596	float	RD	39. Interharmonics I-L3	A		
21598	float	RD	40. Interharmonics I-L3	A		
21600	float	RD	41. Interharmonics I-L3	A		
21602	float	RD	42. Interharmonics I-L3	A		
21604	float	RD	43. Interharmonics I-L3	A		
21606	float	RD	44. Interharmonics I-L3	A		
21608	float	RD	45. Interharmonics I-L3	A		
21610	float	RD	46. Interharmonics I-L3	A		
21612	float	RD	47. Interharmonics I-L3	A		
21614	float	RD	48. Interharmonics I-L3	A		
21616	float	RD	49. Interharmonics I-L3	A		
21618	float	RD	50. Interharmonics I-L3	A		
21620	float	RD	51. Interharmonics I-L3	A		
21622	float	RD	52. Interharmonics I-L3	A		
21624	float	RD	53. Interharmonics I-L3	A		
21626	float	RD	54. Interharmonics I-L3	A		
21628	float	RD	55. Interharmonics I-L3	A		
21630	float	RD	56. Interharmonics I-L3	A		
21632	float	RD	57. Interharmonics I-L3	A		
21634	float	RD	58. Interharmonics I-L3	A		
21636	float	RD	59. Interharmonics I-L3	A		
21638	float	RD	60. Interharmonics I-L3	A		
21640	float	RD	61. Interharmonics I-L3	A		
21642	float	RD	62. Interharmonics I-L3	A		
21644	float	RD	63. Interharmonics I-L3	A		
21646	float	RD	64. Interharmonics I-L3	A		
21648	float	RD	65. Interharmonics I-L3	A		
21650	float	RD	1. Interharmonics U-L3	V		
21652	float	RD	2. Interharmonics U-L3	V		
21654	float	RD	3. Interharmonics U-L3	V		
21656	float	RD	4. Interharmonics U-L3	V		
21658	float	RD	5. Interharmonics U-L3	V		
21660	float	RD	6. Interharmonics U-L3	V		
21662	float	RD	7. Interharmonics U-L3	V		
21664	float	RD	8. Interharmonics U-L3	V		
21666	float	RD	9. Interharmonics U-L3	V		
21668	float	RD	10. Interharmonics U-L3	V		
21670	float	RD	11. Interharmonics U-L3	V		
21672	float	RD	12. Interharmonics U-L3	V		
21674	float	RD	13. Interharmonics U-L3	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
21676	float	RD	14. Interharmonics U-L3	V		
21678	float	RD	15. Interharmonics U-L3	V		
21680	float	RD	16. Interharmonics U-L3	V		
21682	float	RD	17. Interharmonics U-L3	V		
21684	float	RD	18. Interharmonics U-L3	V		
21686	float	RD	19. Interharmonics U-L3	V		
21688	float	RD	20. Interharmonics U-L3	V		
21690	float	RD	21. Interharmonics U-L3	V		
21692	float	RD	22. Interharmonics U-L3	V		
21694	float	RD	23. Interharmonics U-L3	V		
21696	float	RD	24. Interharmonics U-L3	V		
21698	float	RD	25. Interharmonics U-L3	V		
21700	float	RD	26. Interharmonics U-L3	V		
21702	float	RD	27. Interharmonics U-L3	V		
21704	float	RD	28. Interharmonics U-L3	V		
21706	float	RD	29. Interharmonics U-L3	V		
21708	float	RD	30. Interharmonics U-L3	V		
21710	float	RD	31. Interharmonics U-L3	V		
21712	float	RD	32. Interharmonics U-L3	V		
21714	float	RD	33. Interharmonics U-L3	V		
21716	float	RD	34. Interharmonics U-L3	V		
21718	float	RD	35. Interharmonics U-L3	V		
21720	float	RD	36. Interharmonics U-L3	V		
21722	float	RD	37. Interharmonics U-L3	V		
21724	float	RD	38. Interharmonics U-L3	V		
21726	float	RD	39. Interharmonics U-L3	V		
21728	float	RD	40. Interharmonics U-L3	V		
21730	float	RD	41. Interharmonics U-L3	V		
21732	float	RD	42. Interharmonics U-L3	V		
21734	float	RD	43. Interharmonics U-L3	V		
21736	float	RD	44. Interharmonics U-L3	V		
21738	float	RD	45. Interharmonics U-L3	V		
21740	float	RD	46. Interharmonics U-L3	V		
21742	float	RD	47. Interharmonics U-L3	V		
21744	float	RD	48. Interharmonics U-L3	V		
21746	float	RD	49. Interharmonics U-L3	V		
21748	float	RD	50. Interharmonics U-L3	V		
21750	float	RD	51. Interharmonics U-L3	V		
21752	float	RD	52. Interharmonics U-L3	V		
21754	float	RD	53. Interharmonics U-L3	V		
21756	float	RD	54. Interharmonics U-L3	V		
21758	float	RD	55. Interharmonics U-L3	V		
21760	float	RD	56. Interharmonics U-L3	V		
21762	float	RD	57. Interharmonics U-L3	V		
21764	float	RD	58. Interharmonics U-L3	V		
21766	float	RD	59. Interharmonics U-L3	V		
21768	float	RD	60. Interharmonics U-L3	V		
21770	float	RD	61. Interharmonics U-L3	V		
21772	float	RD	62. Interharmonics U-L3	V		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
21774	float	RD	63. Interharmonics U-L3	V		
21776	float	RD	64. Interharmonics U-L3	V		
21778	float	RD	65. Interharmonics U-L3	V		

Flicker-Messwerte - nur mit IEC 61000-4-30, Klasse S

1302	short	RD/WR	Flicker system (50/60 Hz): 0 = 230V/50Hz, 1 = 120V/50Hz, 2 = 230V/60Hz, 3 = 120V/60Hz		0	3
1303	float	RD	L1 Flicker long therm (2 h)			
1305	float	RD	L2 Flicker long therm (2 h)			
1307	float	RD	L3 Flicker long therm (2 h)			
1309	float	RD	L1 Flicker short therm (10 min)			
1311	float	RD	L2 Flicker short therm (10 min)			
1313	float	RD	L3 Flicker short therm (10 min)			
1315	float	RD	L1 Flicker perception factor			
1317	float	RD	L2 Flicker perception factor			
1319	float	RD	L3 Flicker perception factor			
1321	uint	RD	UTC Starttime of Flicker short term			
1323	uint	RD	UTC Endtime of Flicker short term			
1325	uint	RD	UTC Starttime of Flicker long term			
1327	uint	RD	UTC Endtime of Flicker long term			

Weitere Parameter - nur mit IEC 61000-4-30, Klasse S

1333	float	RD/WR	Configurable frequency in Hz (float) for ripple control		0	3000
1335	float	RD	Measured value (float): RMS of ripple control signal UL1	V		
1337	float	RD	Measured value (float): RMS of ripple control signal UL2	V		
1339	float	RD	Measured value (float): RMS of ripple control signal UL3	V		

UMG 96-PQ-L-LP erweiterte Adressen

20053	float	RD/WR	Measured value, current L4	A	-3.403 e+38	3.403 e+38
20063	float	RD/WR	1. harmonic current L4	A		
20065	float	RD/WR	2. harmonic current L4	A		
20067	float	RD/WR	3. harmonic current L4	A		
20069	float	RD/WR	4. harmonic current L4	A		
20071	float	RD/WR	5. harmonic current L4	A		
20073	float	RD/WR	6. harmonic current L4	A		
20075	float	RD/WR	7. harmonic current L4	A		
20077	float	RD/WR	8. harmonic current L4	A		
20079	float	RD/WR	9. harmonic current L4	A		
20081	float	RD/WR	10. harmonic current L4	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
20083	float	RD/WR	11. harmonic current L4	A		
20085	float	RD/WR	12. harmonic current L4	A		
20087	float	RD/WR	13. harmonic current L4	A		
20089	float	RD/WR	14. harmonic current L4	A		
20091	float	RD/WR	15. harmonic current L4	A		
20093	float	RD/WR	16. harmonic current L4	A		
20095	float	RD/WR	17. harmonic current L4	A		
20097	float	RD/WR	18. harmonic current L4	A		
20099	float	RD/WR	19. harmonic current L4	A		
20101	float	RD/WR	20. harmonic current L4	A		
20103	float	RD/WR	21. harmonic current L4	A		
20105	float	RD/WR	22. harmonic current L4	A		
20107	float	RD/WR	23. harmonic current L4	A		
20109	float	RD/WR	24. harmonic current L4	A		
20111	float	RD/WR	25. harmonic current L4	A		
20113	float	RD/WR	26. harmonic current L4	A		
20115	float	RD/WR	27. harmonic current L4	A		
20117	float	RD/WR	28. harmonic current L4	A		
20119	float	RD/WR	29. harmonic current L4	A		
20121	float	RD/WR	30. harmonic current L4	A		
20123	float	RD/WR	31. harmonic current L4	A		
20125	float	RD/WR	32. harmonic current L4	A		
20127	float	RD/WR	33. harmonic current L4	A		
20129	float	RD/WR	34. harmonic current L4	A		
20131	float	RD/WR	35. harmonic current L4	A		
20133	float	RD/WR	36. harmonic current L4	A		
20135	float	RD/WR	37. harmonic current L4	A		
20137	float	RD/WR	38. harmonic current L4	A		
20139	float	RD/WR	39. harmonic current L4	A		
20141	float	RD/WR	40. harmonic current L4	A		
20305	float	RD/WR	mean value, current L4	A	0	3.403 e+38
20315	float	RD/WR	min. value, current L4	A	0	3.403 e+38
20325	float	RD/WR	max. value, current L4	A	0	3.403 e+38
20335	uint	RD/WR	UTC timestamp, min. value, current L4	s		
20345	uint	RD/WR	UTC timestamp, max. value, current L4	s		

RCM-Modul: Messwerte, Typ Float

20053	float	RD/WR	Measured value, current L4	A	-3.403 e+38	3.403 e+38
20055	float	RD/WR	RCM module: current RCM1 (I5)	A	-3.403 e+38	3.403 e+38
20057	float	RD/WR	RCM module: current RCM2 (I6)	A	-3.403 e+38	3.403 e+38
20059	float	RD/WR	RCM module: current RCM2 (I6 prop. U6)	V	-3.403 e+38	3.403 e+38
20061	float	RD/WR	RCM module: ext. temperature	°C	-3.403 e+38	3.403 e+38
20303	float	RD/WR	RCM module: DC power (P=I5*U6)	W	0	3.403 e+38

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
RCM-Modul: Gleitende Mittelwerte, Typ Float						
20305	float	RD/WR	mean value, current L4	A	0	3.403 e+38
20307	float	RD/WR	RCM module: mean value, current RCM1 (I5)	A	0	3.403 e+38
20309	float	RD/WR	RCM module: mean value, current RCM2 (I6)	A	0	3.403 e+38
20311	float	RD/WR	RCM module: mean value, current RCM2 (I6 prop. U6)	V	0	3.403 e+38
20313	float	RD/WR	RCM module: mean value, ext. temperature	°C	0	3.403 e+38
RCM-Modul: Minimalwerte, Typ Float						
20315	float	RD/WR	min. value, current L4	A	0	3.403 e+38
20317	float	RD/WR	RCM module: min. value, current RCM1 (I5)	A	0	3.403 e+38
20319	float	RD/WR	RCM module: min. value, current RCM2 (I6)	A	0	3.403 e+38
20321	float	RD/WR	RCM module: min. value, current RCM2 (I6 prop. U6)	V	0	3.403 e+38
20323	float	RD/WR	RCM module: min. value, ext. temperature	°C	0	3.403 e+38
RCM-Modul: Maximalwerte, Typ Float						
20325	float	RD/WR	max. value, current L4	A	0	3.403 e+38
20327	float	RD/WR	RCM module: max. value, current RCM1 (I5)	A	0	3.403 e+38
20329	float	RD/WR	RCM module: max. value, current RCM2 (I6)	A	0	3.403 e+38
20331	float	RD/WR	RCM module: max. value, current RCM2 (I6 prop. U6)	V	0	3.403 e+38
20333	float	RD/WR	RCM module: max. value, ext. temperature	°C	0	3.403 e+38
RCM-Modul: Minimalwerte, Zeitstempel						
20335	uint	RD/WR	UTC timestamp, min. value, current L4	s		
20337	uint	RD/WR	RCM module: UTC timestamp, min. value, current RCM1 (I5)	s		
20339	uint	RD/WR	RCM module: UTC timestamp, min. value, current RCM2 (I6)	s		
20341	uint	RD/WR	RCM module: UTC timestamp, min. value, current RCM2 (I6 prop. U6)	s		
20343	uint	RD/WR	RCM module: UTC timestamp, min. value, ext. temperature	s		
RCM-Modul: Maximalwerte, Zeitstempel						
20345	uint	RD/WR	UTC timestamp, max. value, current L4	s		
20347	uint	RD/WR	RCM module: UTC timestamp, max. value, current RCM1 (I5)	s		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
20349	uint	RD/WR	RCM module: UTC timestamp, max. value, current RCM2 (I6)	s		
20351	uint	RD/WR	RCM module: UTC timestamp, max. value, current RCM2 (I6 prop. U6)	s		
20353	uint	RD/WR	RCM module: UTC timestamp, max. value, ext. temperature	s		

RCM-Modul: Energiewerte

20355	double	RD/WR	RCM module: active energy, DC (I5 * U6)	Wh	0	3.403 e+38
20359	float	RD/WR	RCM module: active energy, DC (I5 * U6)	Wh	0	3.403 e+38

RCM-Modul: Fourieranalyse, Messwerte, Float

20063	float	RD/WR	1. harmonic current L4	A
20065	float	RD/WR	2. harmonic current L4	A
20067	float	RD/WR	3. harmonic current L4	A
20069	float	RD/WR	4. harmonic current L4	A
20071	float	RD/WR	5. harmonic current L4	A
20073	float	RD/WR	6. harmonic current L4	A
20075	float	RD/WR	7. harmonic current L4	A
20077	float	RD/WR	8. harmonic current L4	A
20079	float	RD/WR	9. harmonic current L4	A
20081	float	RD/WR	10. harmonic current L4	A
20083	float	RD/WR	11. harmonic current L4	A
20085	float	RD/WR	12. harmonic current L4	A
20087	float	RD/WR	13. harmonic current L4	A
20089	float	RD/WR	14. harmonic current L4	A
20091	float	RD/WR	15. harmonic current L4	A
20093	float	RD/WR	16. harmonic current L4	A
20095	float	RD/WR	17. harmonic current L4	A
20097	float	RD/WR	18. harmonic current L4	A
20099	float	RD/WR	19. harmonic current L4	A
20101	float	RD/WR	20. harmonic current L4	A
20103	float	RD/WR	21. harmonic current L4	A
20105	float	RD/WR	22. harmonic current L4	A
20107	float	RD/WR	23. harmonic current L4	A
20109	float	RD/WR	24. harmonic current L4	A
20111	float	RD/WR	25. harmonic current L4	A
20113	float	RD/WR	26. harmonic current L4	A
20115	float	RD/WR	27. harmonic current L4	A
20117	float	RD/WR	28. harmonic current L4	A
20119	float	RD/WR	29. harmonic current L4	A
20121	float	RD/WR	30. harmonic current L4	A
20123	float	RD/WR	31. harmonic current L4	A
20125	float	RD/WR	32. harmonic current L4	A
20127	float	RD/WR	33. harmonic current L4	A

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
20129	float	RD/WR	34. harmonic current L4	A		
20131	float	RD/WR	35. harmonic current L4	A		
20133	float	RD/WR	36. harmonic current L4	A		
20135	float	RD/WR	37. harmonic current L4	A		
20137	float	RD/WR	38. harmonic current L4	A		
20139	float	RD/WR	39. harmonic current L4	A		
20141	float	RD/WR	40. harmonic current L4	A		
20143	float	RD/WR	RCM module: 1. harmonic current rcm1 (I5)	A		
20145	float	RD/WR	RCM module: 2. harmonic current rcm1 (I5)	A		
20147	float	RD/WR	RCM module: 3. harmonic current rcm1 (I5)	A		
20149	float	RD/WR	RCM module: 4. harmonic current rcm1 (I5)	A		
20151	float	RD/WR	RCM module: 5. harmonic current rcm1 (I5)	A		
20153	float	RD/WR	RCM module: 6. harmonic current rcm1 (I5)	A		
20155	float	RD/WR	RCM module: 7. harmonic current rcm1 (I5)	A		
20157	float	RD/WR	RCM module: 8. harmonic current rcm1 (I5)	A		
20159	float	RD/WR	RCM module: 9. harmonic current rcm1 (I5)	A		
20161	float	RD/WR	RCM module: 10. harmonic current rcm1 (I5)	A		
20163	float	RD/WR	RCM module: 11. harmonic current rcm1 (I5)	A		
20165	float	RD/WR	RCM module: 12. harmonic current rcm1 (I5)	A		
20167	float	RD/WR	RCM module: 13. harmonic current rcm1 (I5)	A		
20169	float	RD/WR	RCM module: 14. harmonic current rcm1 (I5)	A		
20171	float	RD/WR	RCM module: 15. harmonic current rcm1 (I5)	A		
20173	float	RD/WR	RCM module: 16. harmonic current rcm1 (I5)	A		
20175	float	RD/WR	RCM module: 17. harmonic current rcm1 (I5)	A		
20177	float	RD/WR	RCM module: 18. harmonic current rcm1 (I5)	A		
20179	float	RD/WR	RCM module: 19. harmonic current rcm1 (I5)	A		
20181	float	RD/WR	RCM module: 20. harmonic current rcm1 (I5)	A		
20183	float	RD/WR	RCM module: 21. harmonic current rcm1 (I5)	A		
20185	float	RD/WR	RCM module: 22. harmonic current rcm1 (I5)	A		
20187	float	RD/WR	RCM module: 23. harmonic current rcm1 (I5)	A		
20189	float	RD/WR	RCM module: 24. harmonic current rcm1 (I5)	A		
20191	float	RD/WR	RCM module: 25. harmonic current rcm1 (I5)	A		
20193	float	RD/WR	RCM module: 26. harmonic current rcm1 (I5)	A		
20195	float	RD/WR	RCM module: 27. harmonic current rcm1 (I5)	A		
20197	float	RD/WR	RCM module: 28. harmonic current rcm1 (I5)	A		
20199	float	RD/WR	RCM module: 29. harmonic current rcm1 (I5)	A		
20201	float	RD/WR	RCM module: 30. harmonic current rcm1 (I5)	A		
20203	float	RD/WR	RCM module: 31. harmonic current rcm1 (I5)	A		
20205	float	RD/WR	RCM module: 32. harmonic current rcm1 (I5)	A		
20207	float	RD/WR	RCM module: 33. harmonic current rcm1 (I5)	A		
20209	float	RD/WR	RCM module: 34. harmonic current rcm1 (I5)	A		
20211	float	RD/WR	RCM module: 35. harmonic current rcm1 (I5)	A		
20213	float	RD/WR	RCM module: 36. harmonic current rcm1 (I5)	A		
20215	float	RD/WR	RCM module: 37. harmonic current rcm1 (I5)	A		
20217	float	RD/WR	RCM module: 38. harmonic current rcm1 (I5)	A		
20219	float	RD/WR	RCM module: 39. harmonic current rcm1 (I5)	A		
20221	float	RD/WR	RCM module: 40. harmonic current rcm1 (I5)	A		
20223	float	RD/WR	RCM module: 1. harmonic current rcm2 (I6)	A		
20225	float	RD/WR	RCM module: 2. harmonic current rcm2 (I6)	A		

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
20227	float	RD/WR	RCM module: 3. harmonic current rcm2 (I6)	A		
20229	float	RD/WR	RCM module: 4. harmonic current rcm2 (I6)	A		
20231	float	RD/WR	RCM module: 5. harmonic current rcm2 (I6)	A		
20233	float	RD/WR	RCM module: 6. harmonic current rcm2 (I6)	A		
20235	float	RD/WR	RCM module: 7. harmonic current rcm2 (I6)	A		
20237	float	RD/WR	RCM module: 8. harmonic current rcm2 (I6)	A		
20239	float	RD/WR	RCM module: 9. harmonic current rcm2 (I6)	A		
20241	float	RD/WR	RCM module: 10. harmonic current rcm2 (I6)	A		
20243	float	RD/WR	RCM module: 11. harmonic current rcm2 (I6)	A		
20245	float	RD/WR	RCM module: 12. harmonic current rcm2 (I6)	A		
20247	float	RD/WR	RCM module: 13. harmonic current rcm2 (I6)	A		
20249	float	RD/WR	RCM module: 14. harmonic current rcm2 (I6)	A		
20251	float	RD/WR	RCM module: 15. harmonic current rcm2 (I6)	A		
20253	float	RD/WR	RCM module: 16. harmonic current rcm2 (I6)	A		
20255	float	RD/WR	RCM module: 17. harmonic current rcm2 (I6)	A		
20257	float	RD/WR	RCM module: 18. harmonic current rcm2 (I6)	A		
20259	float	RD/WR	RCM module: 19. harmonic current rcm2 (I6)	A		
20261	float	RD/WR	RCM module: 20. harmonic current rcm2 (I6)	A		
20263	float	RD/WR	RCM module: 21. harmonic current rcm2 (I6)	A		
20265	float	RD/WR	RCM module: 22. harmonic current rcm2 (I6)	A		
20267	float	RD/WR	RCM module: 23. harmonic current rcm2 (I6)	A		
20269	float	RD/WR	RCM module: 24. harmonic current rcm2 (I6)	A		
20271	float	RD/WR	RCM module: 25. harmonic current rcm2 (I6)	A		
20273	float	RD/WR	RCM module: 26. harmonic current rcm2 (I6)	A		
20275	float	RD/WR	RCM module: 27. harmonic current rcm2 (I6)	A		
20277	float	RD/WR	RCM module: 28. harmonic current rcm2 (I6)	A		
20279	float	RD/WR	RCM module: 29. harmonic current rcm2 (I6)	A		
20281	float	RD/WR	RCM module: 30. harmonic current rcm2 (I6)	A		
20283	float	RD/WR	RCM module: 31. harmonic current rcm2 (I6)	A		
20285	float	RD/WR	RCM module: 32. harmonic current rcm2 (I6)	A		
20287	float	RD/WR	RCM module: 33. harmonic current rcm2 (I6)	A		
20289	float	RD/WR	RCM module: 34. harmonic current rcm2 (I6)	A		
20291	float	RD/WR	RCM module: 35. harmonic current rcm2 (I6)	A		
20293	float	RD/WR	RCM module: 36. harmonic current rcm2 (I6)	A		
20295	float	RD/WR	RCM module: 37. harmonic current rcm2 (I6)	A		
20297	float	RD/WR	RCM module: 38. harmonic current rcm2 (I6)	A		
20299	float	RD/WR	RCM module: 39. harmonic current rcm2 (I6)	A		
20301	float	RD/WR	RCM module: 40. harmonic current rcm2 (I6)	A		

RCM-Modul: Sonstige Parameter

196	ushort	RD/WR	Firmeware version of the module. Example: ‚215' means version 2.15			
20051	ushort	RD/WR	RCM module: RCM1 (I5): CT connection monitoring (AC only): 0=disable; 1=enable		0	1
20052	ushort	RD/WR	RCM module: RCM2 (I6): CT connection monitoring (AC only): 0=disable; 1=enable		0	1

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
20393	ushort	RD	RCM module: RCM1 (I5): status overcurrent, currently: 0= not available; 1= available			
20394	ushort	RD/WR	RCM module: RCM1 (I5): status overcurrent, previously: 0= not available; 1= available			
20395	ushort	RD	RCM module: RCM1 (I5): status rcm: Bit 0=1 warning currently available, Bit 1=1 warning previously available, Bit 2=1 alarm currently available, Bit 3=1: alarm previously available, Bit 4=1: CT connection break currently available, Bit 5=1: CT connection break previously available, Bit 6=1: overcurrent currently available, Bit 7=1: overcurrent previously available			
20396	float	RD	RCM module: RCM1 (I5): current limit (in A) for alarms			
20398	uint	RD	RCM module: RCM1 (I5): alarm run time (in ms)			
20413	ushort	RD/WR	RCM module: RCM1 (I5): status overcurrent: Bit 0=1 warning currently available, Bit 1=1 warning previously available, Bit 2=1 alarm currently available, Bit 3=1: alarm previously available, Bit 4=1: CT connection break currently available, Bit 5=1: CT connection break previously available, Bit 6=1: overcurrent currently available, Bit 7=1: overcurrent previously available			
20414	ushort	RD	RCM module: RCM1 (I5): status (pre-)warning, currently: 0=no warning available; 1=warning available			
20415	ushort	RD/WR	RCM module: RCM1 (I5): status (pre-)warning, previously: 0=no warning available/delete alarm; 1=warning available			
20416	ushort	RD	RCM module: RCM1 (I5): status alarm, currently: 0=no warning available; 1=warning available			
20417	ushort	RD/WR	RCM module: RCM1 (I5): status alarm, previously: 0=no warning available/delete alarm; 1=warning available			
20418	ushort	RD	RCM module: RCM1 (I5): CT connections (AC only), currently: 0=error-free; 1=error			
20419	ushort	RD/WR	RCM module: RCM1 (I5): CT connections (AC only), previously: 0=error-free/delete error; 1=error			
20593	ushort	RD	RCM module: RCM2 (I6): status overcurrent, currently: 0= not available; 1= available			
20594	ushort	RD/WR	RCM module: RCM2 (I6): status overcurrent, previously: 0= not available; 1= available			
20595	ushort	RD	RCM module: RCM2 (I6): status: Bit 0=1 warning currently available, Bit 1=1 warning previously available, Bit 2=1 alarm currently available, Bit 3=1: alarm previously available, Bit 4=1: CT connection break currently available, Bit 5=1: CT connection break previously available, Bit 6=1: overcurrent currently available, Bit 7=1: overcurrent previously available			

Addresse	Format	Rechte	Beschreibung	Einheit	Min	Max
20596	float	RD	RCM module: RCM2 (I6): current limit (in A) for alarms			
20598	uint	RD	RCM module: RCM2 (I6): alarm run time (in ms)			
20613	ushort	RD/WR	RCM module: RCM2 (I6): status overcurrent: Bit 0=1 warning currently available, Bit 1=1 warning previously available, Bit 2=1 alarm currently available, Bit 3=1: alarm previously available, Bit 4=1: CT connection break currently available, Bit 5=1: CT connection break previously available, Bit 6=1: overcurrent currently available, Bit 7=1: overcurrent previously available			
20614	ushort	RD	RCM module: RCM2 (I6: status (pre-)warning, currently: 0=no alarm available; 1=alarm available			
20615	ushort	RD/WR	RCM module: RCM2 (I6): status (pre-)warning, previously: 0=no warning available/delete alarm; 1=warning available			
20616	ushort	RD	RCM module: RCM2 (I6): status alarm, currently: 0=no alarm available; 1=alarm available			
20617	ushort	RD/WR	RCM module: RCM2 (I6): status alarm, previously: 0=no alarm available/delete alarm; 1=alarm available			
20618	ushort	RD	RCM module: RCM2 (I6): CT connections (AC only), currently: 0=error-free; 1=error			
20619	ushort	RD/WR	RCM module: RCM2 (I6): CT connections (AC only), previously: 0=error-free/delete error; 1=error			
20701	ushort	RD	RCM module: Warning (3 days - not synchronized) - only MID+			
20702	ushort	RD	RCM module: Alarm (7 days - not synchronized) - only MID+			

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Dok.-Nr. 2.061.067.2.d | 07/2025 | Technische Änderungen vorbehalten.
Den aktuellen Stand des Dokuments finden Sie im Download-Bereich auf www.janitza.de.