

A brand new generation of an innovative and cost-effective battery-protection



fig. „Slim“



fig. „Big“

Your benefits

- innovative hydraulic-magnetic technology - overload and short-circuit protection
- for one ore more battery charger/inverter
- CE/UL-conformity - VDE/UL approvals
- can be used up to 50°C ambient temperature
- long operating time without any maintenance and need of spare-parts
- optional potential free contacts available for control-circuits
- very compact dimensions due to low losses
- no cable-lugs or wire end-ferrule necessity for connection; just wire stripping!
- option of voltage-tap integration for supplying external devices

Due to a simple and quick modification of busbars and clamps, enwitec is able to provide project specific solutions (even in small quantities) in a cost-effective way

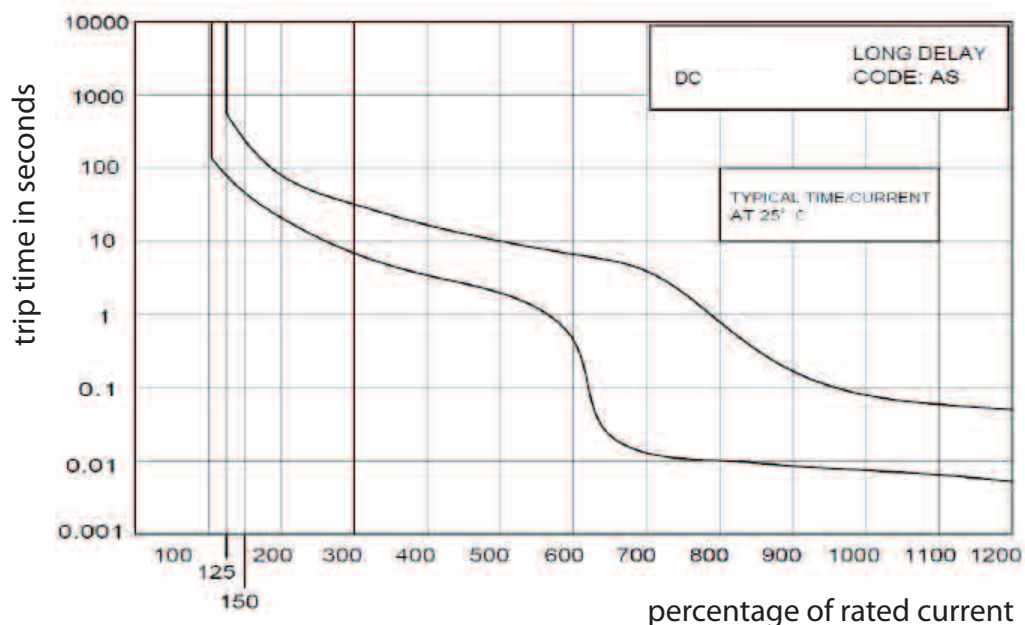
As accessories we deliver cable kits for SMA, Nedap and other inverter manufacturers



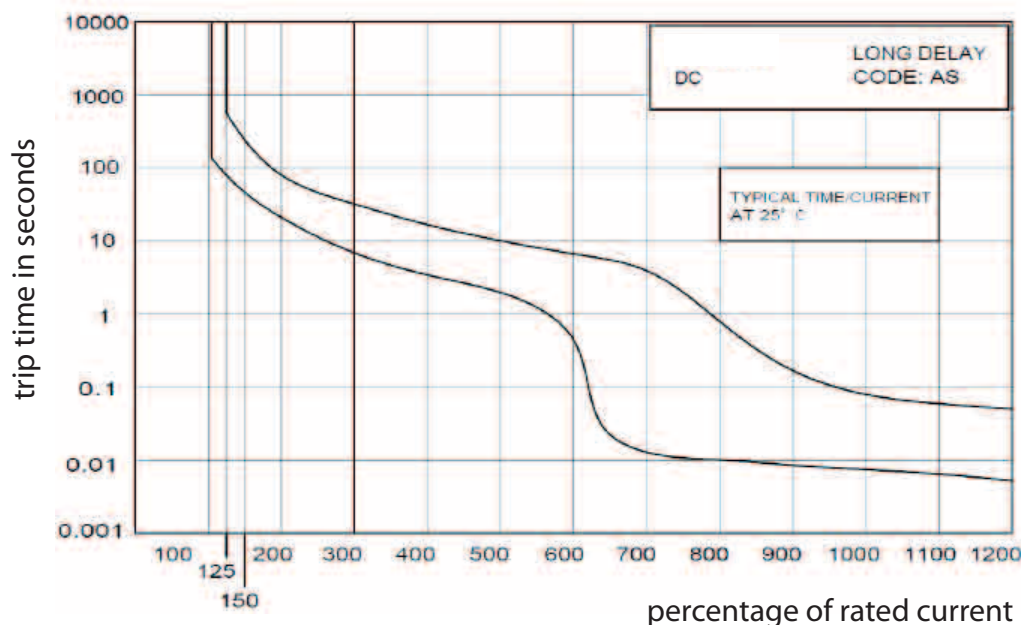
product example



type	BAT-BREAKER -SLIM 150-	BAT-BREAKER -SLIM 200-	BAT-BREAKER -SLIM 250-
electrical data			
max. number of battery charger/inverter	1	1	1
max. number of battery parallel-connect	2	2	2
max. DC-voltage	75V	75V	75V
rated current of circuit-breaker	150A	200A	250A
continuous operation current	120A	160A	200A
max. current within 30 minutes	130A	180A	225A
tripping characteristic	delay-action - please note the tripping curve	delay-action - please note the tripping curve	delay-action - please note the tripping curve
max. short circuit breaking capacity	10kA (-> installation guide!)	10kA (-> installation guide!)	10kA (-> installation guide!)
electrical connection (busbar contactor terminal)			
towards - charger/inverter	1 x 16mm ² -120mm ² per potential	1 x 16mm ² -120mm ² per potential	1 x 16mm ² -120mm ² per potential
towards - battery	2 x 16mm ² -120mm ² per potential	2 x 16mm ² -120mm ² per potential	2 x 16mm ² -120mm ² per potential
cabinet			
IP protection class	IP65 (within pressure compensation element -anti-condensation-)	IP65 (within pressure compensation element -anti-condensation-)	IP65 (within pressure compensation element -anti-condensation-)
protection class against electric shock	II	II	II
dimensions (WxHxD)	188x378x130(mm)	188x378x130(mm)	188x378x130(mm)
plastic material	polycarbonate - base part in grey -RAL7035-; cover clear	polycarbonate - base part in grey -RAL7035-; cover clear	polycarbonate - base part in grey -RAL7035-; cover clear
installation type	wall mounting	wall mounting	wall mounting
cable entry (plastic metric cable glands)			
towards - charger/inverter	M32 (clamping range 13-21mmØ)	M32 (clamping range 13-21mmØ)	M32 (clamping range 13-21mmØ)
towards - battery	M32 (clamping range 13-21mmØ)	M32 (clamping range 13-21mmØ)	M32 (clamping range 13-21mmØ)
environmental conditions for operation			
humidity	5%...95%	5%...95%	5%...95%
ambient temperature range	-25°C... +45°C (temporary 50°C)	-25°C... +45°C (temporary 50°C)	-25°C... +45°C (temporary 50°C)
miscellaneous			
weight	3,7Kg	3,7Kg	3,7Kg
article-no.	10011138	10011033	10011139



type	BAT-BREAKER -BIG 150-	BAT-BREAKER -BIG 200-	BAT-BREAKER -BIG 250-
electrical data			
max. number of battery charger/inverter	3	3	3
max. number of battery parallel-connect	3	3	3
max. DC-voltage	75V	75V	75V
rated current of circuit-breaker	3x150A	3x200A	3x250A
continuous operation current	3x120A	3x160A	3x200A
max. current within 30 minutes	3x130A	3x180A	3x225A
tripping characteristic	delay-action - please note the tripping curve	delay-action - please note the tripping curve	delay-action - please note the tripping curve
max. short circuit breaking capacity	10kA (-> installation guide!)	10kA (-> installation guide!)	10kA (-> installation guide!)
electrical connection (busbar contactor terminal)			
towards - charger/inverter	3 x 16mm ² -120mm ² per potential	3 x 16mm ² -120mm ² per potential	3 x 16mm ² -120mm ² per potential
towards - battery	3 x 16mm ² -120mm ² per potential	3 x 16mm ² -120mm ² per potential	3 x 16mm ² -120mm ² per potential
cabinet			
IP protection class	IP65 (within pressure compensation element -anti-condensation-)	IP65 (within pressure compensation element -anti-condensation-)	IP65 (within pressure compensation element -anti-condensation-)
protection class against electric shock	II	II	II
dimensions (WxHxD)	400x500x200(mm)	400x500x200(mm)	400x500x200(mm)
plastic material	fibre glass reinforced polyester, grey - similar RAL 7035	fibre glass reinforced polyester, grey - similar RAL 7035	fibre glass reinforced polyester, grey - similar RAL 7035
installation type	wall mounting	wall mounting	wall mounting
cable entry (plastic metric cable glands)			
towards - charger/inverter	M32 (clamping range 13-21mmØ)	M32 (clamping range 13-21mmØ)	M32 (clamping range 13-21mmØ)
towards - battery	M32 (clamping range 13-21mmØ)	M32 (clamping range 13-21mmØ)	M32 (clamping range 13-21mmØ)
option voltage tap*	M16 (clamping range 4,5-10mmØ)	M16 (clamping range 4,5-10mmØ)	M16 (clamping range 4,5-10mmØ)
environmental conditions for operation			
humidity	5%...95%	5%...95%	5%...95%
ambient temperature range	-25°C... +45°C (temporary 50°C)	-25°C... +45°C (temporary 50°C)	-25°C... +45°C (temporary 50°C)
miscellaneous			
weight	13Kg	13Kg	13Kg
option voltage tap for external devices*	yes (8A Fuse in both potentials +/-)	yes (8A Fuse in both potentials +/-)	yes (8A Fuse in both potentials +/-)
article-no.	10011140	10011034	10011141
article-no.* option including voltage tap -BIG 150VT-	10011142	10011143	10011144





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The complete connection technology AC/DC for photovoltaic



Energy storage solutions self-consumption, off-grid and grid-support



Service and maintenance for PV plants contract manufacturing for switchboards and enclosure machining

Our know how - your benefit

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