

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

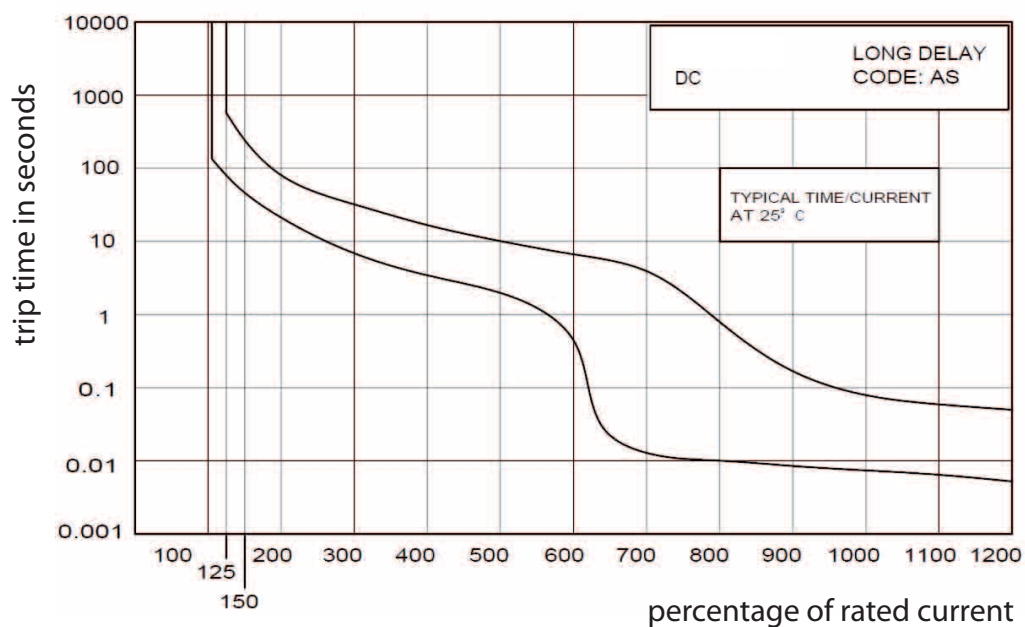
As accessories we deliver cable kits for SMA, Nedap and other inverter manufacturers



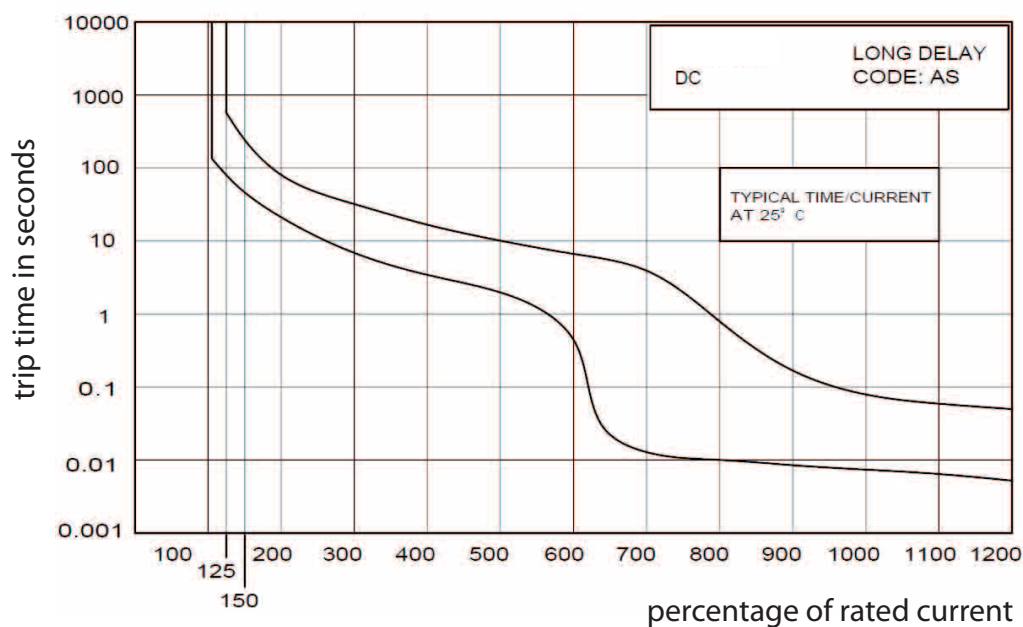
product example

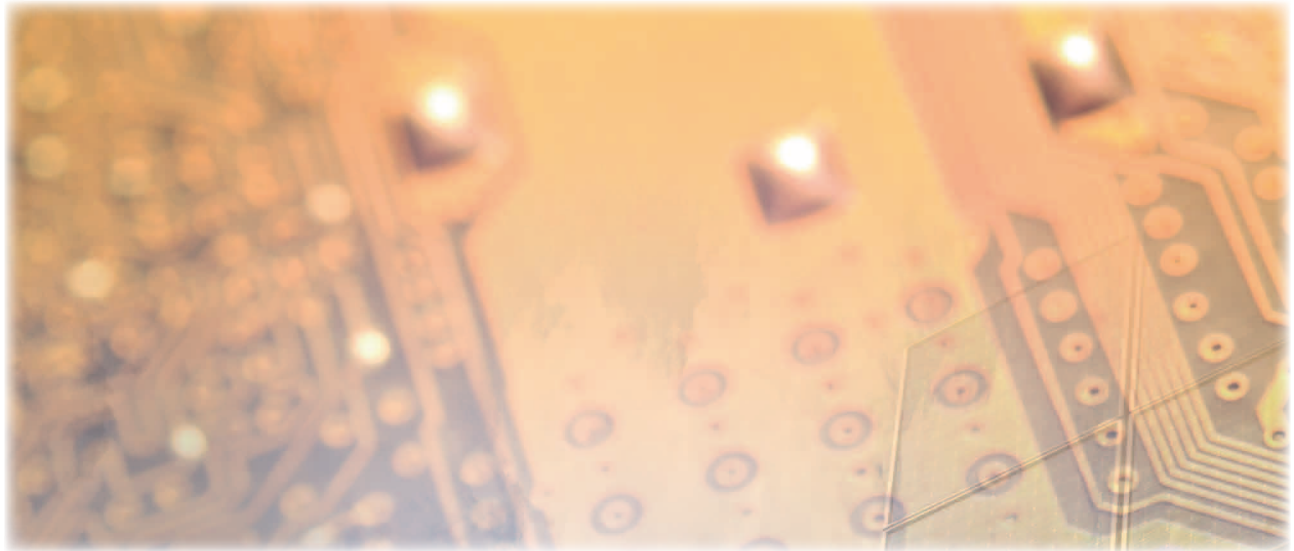


type	BAT-BREAKER -SLIM 200-
electrical data	
max. number of battery charger/inverter	1
max. number of battery parallel-connect	2
max. DC-voltage	75V
rated current of circuit-breaker	200A
continuous operation current	160A
max. current within 30 minutes	180A
tripping characteristic	delay-action - please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



type	BAT-BREAKER -BIG 200-
electrical data	
max. number of battery charger/inverter	3
max. number of battery parallel-connect	3
max. DC-voltage	75V
rated current of circuit-breaker	3x200A
continuous operation current	3x160A
max. current within 30 minutes	3x180A
tripping characteristic	delay-action - please note the tripping curve
max. short circuit breaking capacity	10kA (-> installation guide!)
electrical connection (busbar contactor terminal)	
towards - charger/inverter	3 x 16mm ² -120mm ² per potential
towards - battery	3 x 16mm ² -120mm ² per potential
cabinet	
IP protection class	IP65 (within pressure compensation element -anti-condensation-)
protection class against electric shock	II
dimensions (WxHxD)	400x500x200(mm)
plastic material	fibre glass reinforced polyester, grey - similar RAL 7035
installation type	wall mounting
cable entry (plastic metric cable glands)	
towards - charger/inverter	M32 (clamping range 13-21mmØ)
towards - battery	M32 (clamping range 13-21mmØ)
option voltage tap*	M1M16 (clamping range 4,5-10mmØ)
environmental conditions for operation	
humidity	5%...95%
ambient temperature range	-25°C... +45°C (temporary 50°C)
miscellaneous	
weight	13Kg
option voltage tap for external devices*	yes (8A Fuse in both potentials +/-)
article-no.	10011034
article-no.* option including voltage tap -BIG 150VT-	10011143





enwitec electronic

**engineering
within
Innovative
technology**



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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