

DATA SHEET

ITEM NO. 10019915

Battery fuse

BAT BREAKER-3xAccu1xCharg.600VDC 25A BYD (HVS/HVS+)

Designation	Battery protection BAT BREAKER - High Voltage	
Application	Combiner box for BYD energy storage systems – type "PREMIUM" HVS or HVS+	
Number and type of battery chargers/inverters	Max. 1 x battery charger	
Number and type of energy storage devices	Max. 3 x energy storage units	• BYD – Type "Premium" HVS or HVS+
General information	ATTENTION: The maximum permissible continuous charging/discharging current of 25 A must not be exceeded! The battery protection system must only be used with the specified BYD battery storage units listed above. Following the first short circuit, the DC-MCB (circuit breaker) must be replaced by a qualified electrician!	

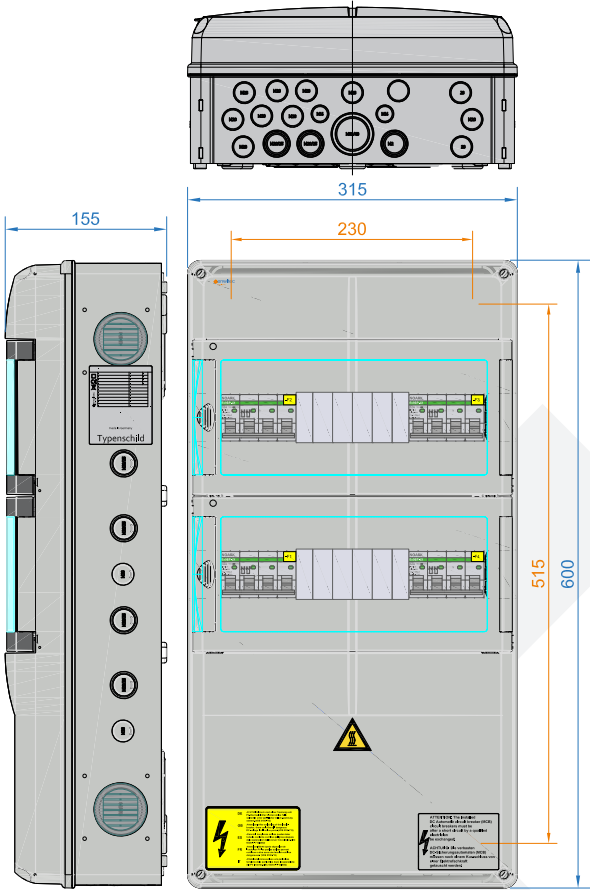
All values in [mm]
dimensions
attachment points

"blue"
"orange"

Internal layout and components may vary depending on the variant!

Minimum distances

above	200
below	200
lateral	200
front	800



SCOPE OF DELIVERY

number	designation
1	Bat Breaker
1	Installation guide
1	Circuit diagram
1	Supplement: DC-MCB (circuit breaker)
1 set	Cover caps for fixing screws

number	designation
8	Cable gland M16
2	Lock nut M16
6	Lock nut M20
6	Reduction KRM 20/16

Status: (c)
The text and illustrations correspond to the technical status at the time of printing; subject to change without notice.
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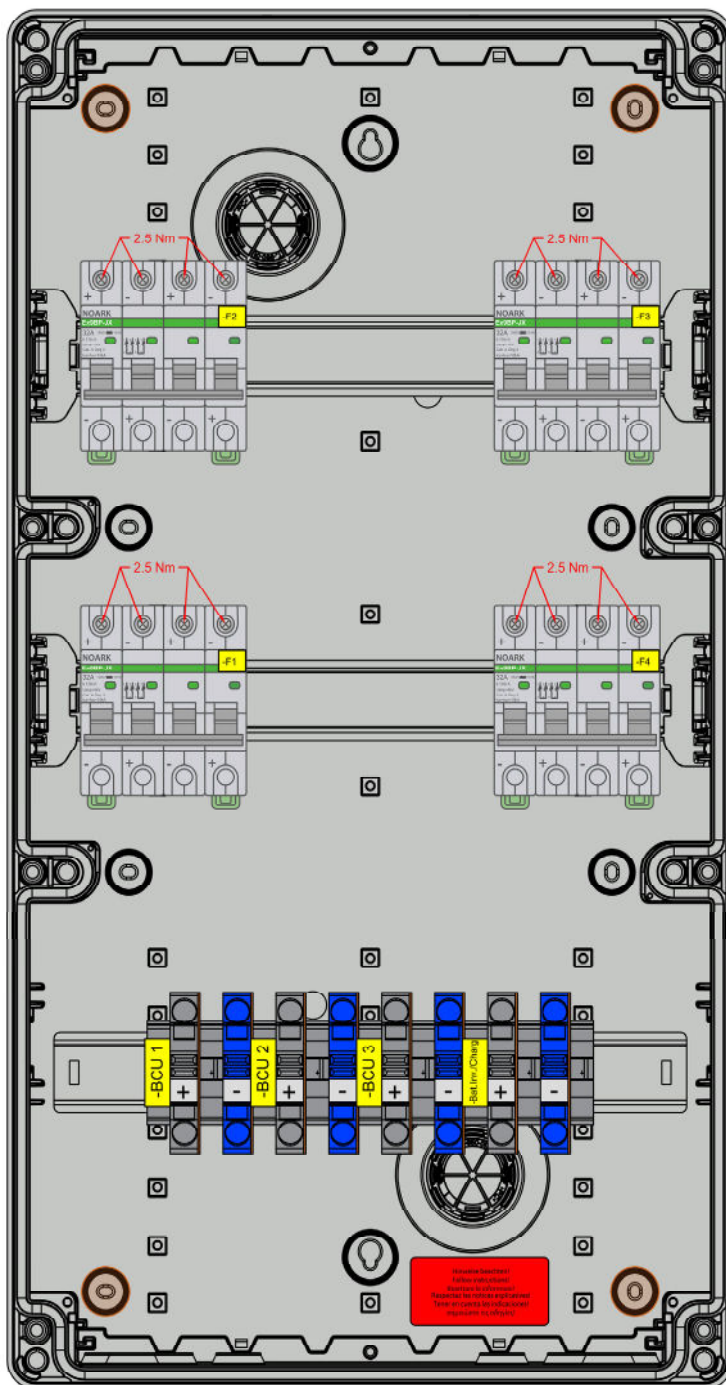
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The internal layout and components may vary depending on the model!



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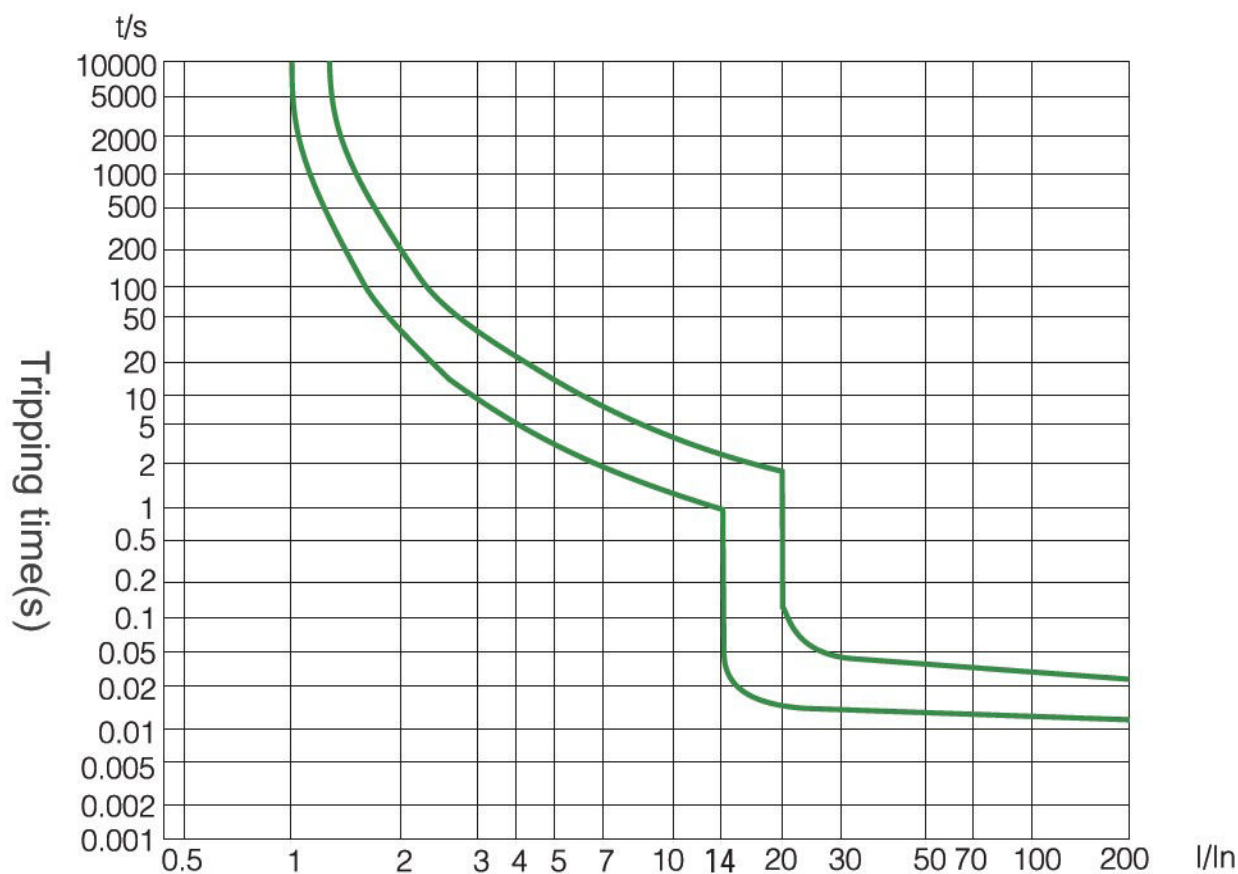
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CURVE PROTECTION SWITCH - "K" CHARACTERISTIC



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TECHNICAL DATA

NOMINAL VALUES	• applicable / - not applicable	
rated voltage	[VDC]	600
Rated current/peak output current	[A]	Compatible with BYD Premium HVS, HVS+
Rated current circuit breaker - charger	[A]	1 x K32
Recommended continuous operating current	[A]	25
Trip characteristics Circuit breaker - Charger		K
Rated current circuit breaker - battery	[A]	3 x K32
Recommended continuous operating current	[A]	25
Trip characteristics Circuit breaker - Battery		K

CONNECTION TO ENERGY STORAGE		
Number of possible batteries (in parallel)		3
Maximum cable length		See manufacturer's instructions
Line introductions		
Screw connections		M16
Clamping range (from - to)	[mm]	5 - 10
Connections		
Connection type		Spring-loaded terminal
Stripping length	[mm]	18 - 20
Tightening torque	[Nm]	-
Cu - fine-stranded with wire end ferrule	[mm²]	0.5 - 16
Cu - fine-stranded	[mm²]	0.5 - 25
Cu - single-stranded	[mm²]	0.5 - 16

CONNECTION CHARGER		
Number of battery chargers/inverters		1
Maximum cable length		See manufacturer's instructions
Line introductions		
Screw connections		M16
Clamping range (from - to)	[mm]	5 - 10
Connections		
Connection type		spring-loaded terminal
Stripping length	[mm]	18 - 20
Tightening torque	[Nm]	-
Cu - fine-stranded with wire end ferrule	[mm²]	0.5 - 16
Cu - fine-stranded	[mm²]	0.5 - 25
Cu - single-wire or multi-wire	[mm²]	0.5 - 16

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TECHNICAL DATA

GENERAL	• applicable / - not applicable	
Dimensions WxHxD (without screw connections)	[mm]	315 x 600 x 155
Weight, approx.	[kg]	7
Operating temperature range	[°C]	-20...+35
Temperature - Transport/Storage (24 hours at 70°C)	[°C]	-20...+55
Humidity - condensation permitted		-
Humidity - permissible range	[%]	5...70
Degree of contamination		2
Max. installation height above sea level	[m]	2000
Protection class IP (EN 60529)		30
Suitability for outdoor use (protected area)		-
Protection class (EN 61140)		II
Housing material		Polyester (GRP)
RoHS compliant (2011/65/EU)		•
Housing colour		RAL 7035
Type of installation		Wall mounting
Closure type		Hinged door

MISCELLANEOUS	
tariff number	85371098

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