

DATA SHEET

ITEM NO. 10019915

Battery fuse

BAT BREAKER-3xAccu1xCharg.1000VDC 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	<p>ATTENTION: The maximum recommended continuous charging/discharging current of 25 A must not be exceeded!</p> <p>If the battery protection is used for systems other than those described here, the suitability of the circuit breakers used (nominal value, tripping characteristic) cannot be guaranteed!</p> <p>In this case, consult the system manufacturer and/or the manufacturer of the battery charger/inverter!</p>	

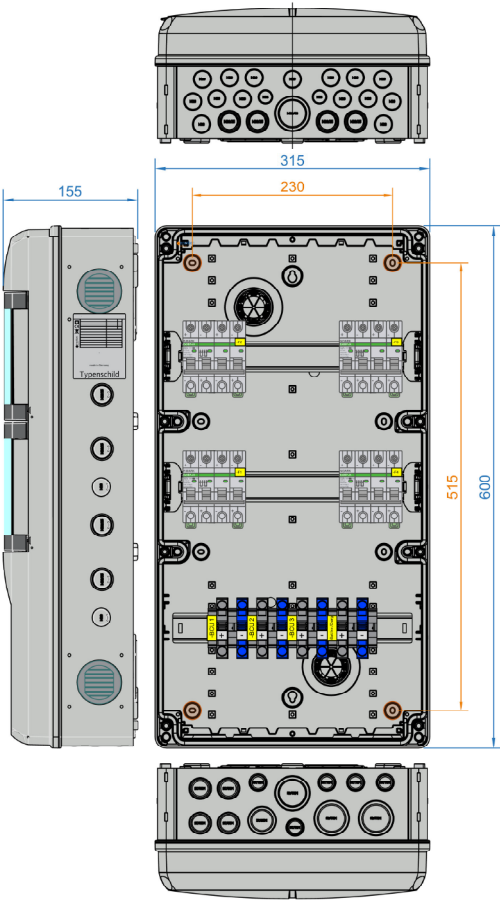
All values in [mm]
dimensions
attachment points

"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	number	designation
1	Bat Breaker	8	Cable gland M16
1	Installation guide	2	Lock nut M16
1	Circuit diagram	6	Lock nut M20
1 set	Cover caps for fixing screws	6	Reduction KRM 20/16

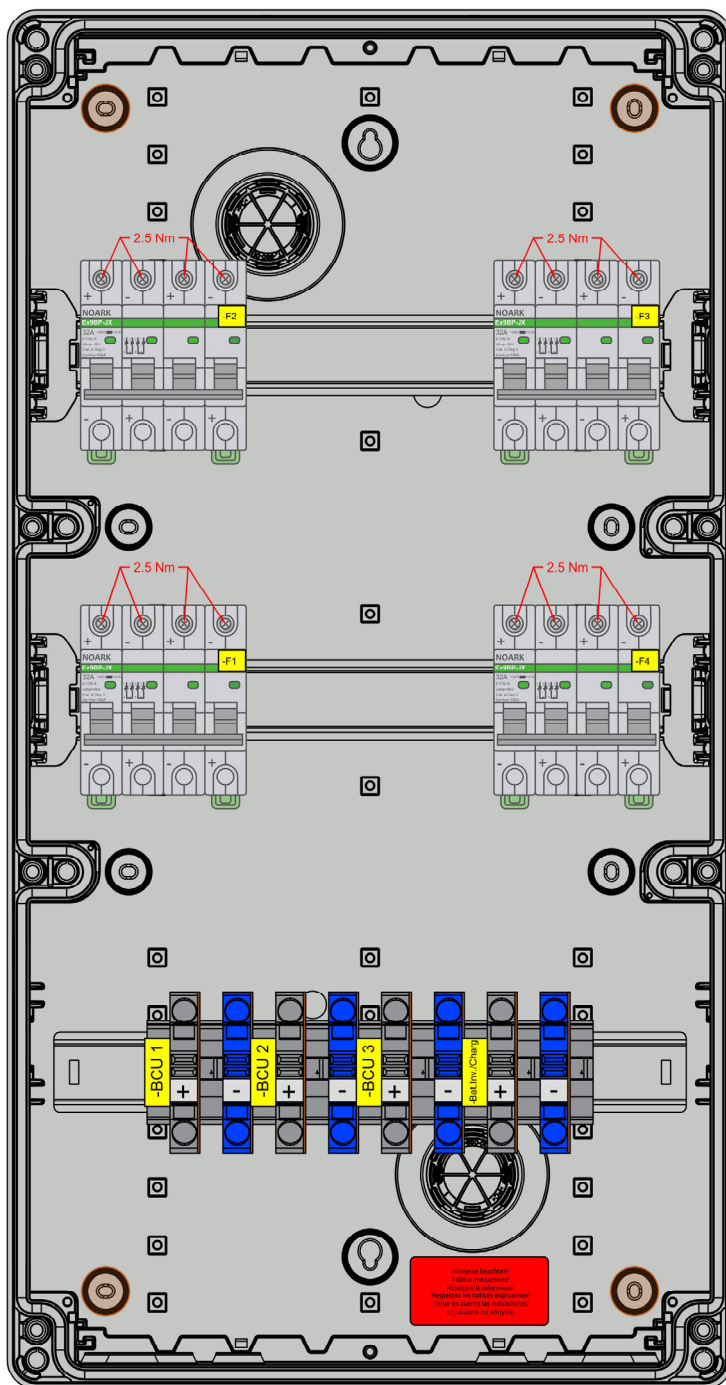
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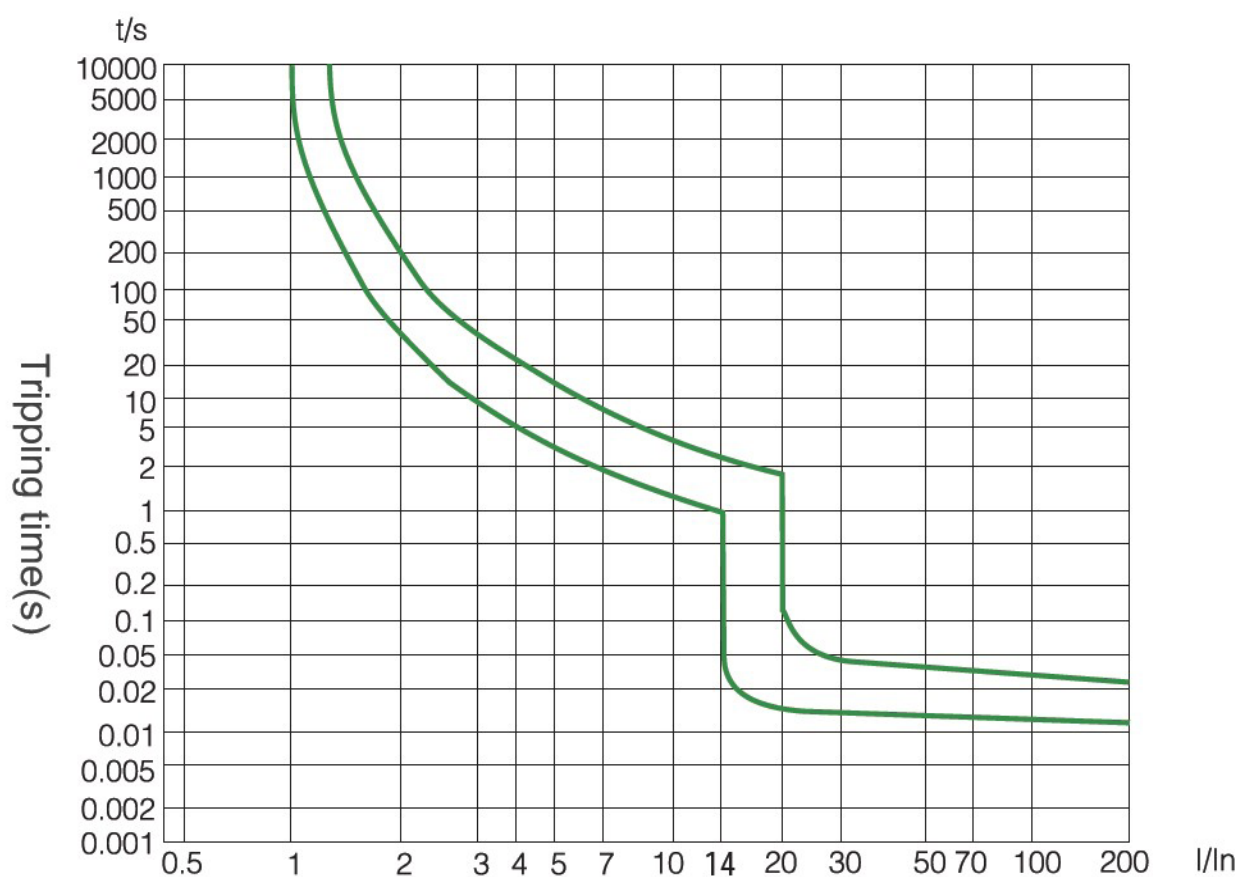
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CURVE PROTECTION SWITCH - "K" CHARACTERISTIC



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TECHNICAL DATA

NOMINAL VALUES	• applicable / - not applicable	
rated voltage	[VDC]	1000
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
Switchable maximum short-circuit current	[kA]	≤10

CONNECTION TO ENERGY STORAGE		
Number of possible batteries (in parallel)		3
Maximum cable length		See manufacturer's instructions
Line introductions		
Screw connections (EN 62444)		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 (EN 62444)		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]	6.5
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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