

# Type 1+2 protective device combination - POWERSET BC-385/3+1-100/FM - 2905036

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Lightning and surge arrester combination, in accordance with Type 1+2/Class I+II, for 3-phase power supply networks, with separate N and PE (L1, L2, L3, PE, N). Consisting of 3x FLT 35 CTRL-4.0 and 3x VAL-MS 400/FM and 1x FLT 100N/PE-1.5, incl. bridges and marking.



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 913966
GTIN	4046356913966
Weight per Piece (excluding packing)	1,112.600 g
Custom tariff number	85363030
Country of origin	Poland

## Technical data

### Ambient conditions

Degree of protection	IP20 (only when all terminal points are used)
Ambient temperature (operation)	-40 °C ... 80 °C
Permissible humidity (operation)	5 % ... 95 %

### General

IEC test classification	I + II
	T1 + T2
EN type	T1 + T2
Mounting type	DIN rail: 35 mm
Color	jet black RAL 9005
Type	DIN rail module, two-section, divisible
Number of positions	4
Surge protection fault message	Optical (Type 2 arrester), remote indication contact (Type 2 arrester)

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### Technical data

#### Connection data

Connection name	FLT 35 CTRL-4.0
Connection method	Screw connection
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	14.5 mm
Connection name	VAL-MS BE/FM
Connection method	Screw connection
Screw thread	M5
Tightening torque	3 Nm (1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup> )
	4.5 Nm (25 mm <sup>2</sup> ... 35 mm <sup>2</sup> )
Stripping length	16 mm
Connection name	FLT 100 N/PE CTRL-3.0
Connection method	Screw connection
Screw thread	M6
Tightening torque	8 Nm
Stripping length	19 mm
Conductor cross section flexible	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Conductor cross section solid	1.5 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Conductor cross section AWG	15 ... 2

#### Standards and Regulations

Standards/regulations	IEC 61643-11 2011
	EN 61643-11 2012

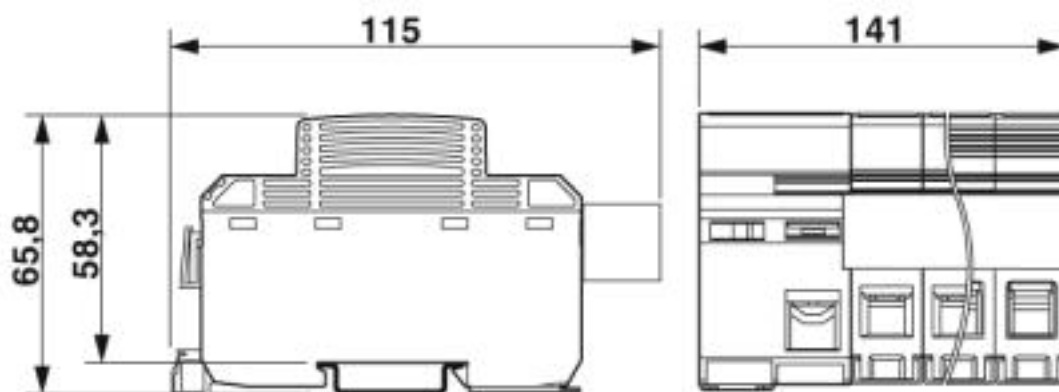
#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

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Dimensional drawing



### Articles in set

Combination type 1/2 protective device - FLT 100 N/PE CTRL-3.0 - 2905834



Lightning current arrester with encapsulated N-PE spark gap and ignition electronics, 1-channel. Voltage protection level: 3 kV. Housing width: 35 mm (2 pitches)

Combination type 1/2 protective device - FLT 35 CTRL-4.0 - 2801635



Type 1/Class I/B arrester (lightning current arrester) with encapsulated arc chopping spark gap and ignition electronics, single-channel. Voltage protection level: 4 kV. Housing width: 17.5 mm (1 HP)

Type 2 surge protection base element - VAL-MS BE/FM - 2817738



Base element for type 2 arresters of the VALVETRAB MS series of products, with remote indication contact. Design: 1-channel

Type 2 surge protection plug - VAL-MS 400 ST - 2816399



Surge protection connector type 2 with high-capacity varistor for VAL-MS base element, thermal monitoring, visual fault warning. Design: 400 V AC

# Type 1+2 protective device combination - POWERSET BC-385/3+1-100/ FM - 2905036

## Articles in set

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Wiring bridge - MPB 18/1- 8 BU - 2858470



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 8-pos., color: Blue

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Wiring bridge - MPB 18/3- 6 - 2809241



Wiring bridge for modules with connecting pitch 17.5 mm, 3-phase, 6-pos.

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## Classifications

### eCl@ss

eCl@ss 4.0	27140200
eCl@ss 4.1	27140200
eCl@ss 5.0	27140200
eCl@ss 5.1	27140200
eCl@ss 6.0	27130800
eCl@ss 7.0	27130805
eCl@ss 8.0	27130805
eCl@ss 9.0	27130805

### ETIM

ETIM 5.0	EC000941
ETIM 6.0	EC000941
ETIM 7.0	EC000941

### UNSPSC

UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

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### Accessories

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#### End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

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#### Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

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