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Surge arrester type 2, consisting of base element with remote indicator contact and protective plug with N-PE total current spark gap for mounting on NS 35/7.5, housing width: 17.5 mm (1 Div.)

Your advantages

- Single-channel, DIN-rail mountable protective devices

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- Consists of base element and plug
- Optical, mechanical status indication for the individual arresters
- ✓ Mechanical coding of all slots
- Disconnect device on each individual plug
- ☑ Base element with/without floating remote indication contact



Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 163655
GTIN	4017918163655
Weight per Piece (excluding packing)	128.700 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	96.8 mm
Width	17.6 mm
Depth	65.7 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.



Technical data

Ambient conditions

Degree of protection	IP20 (only when all terminal points are used)
Ambient temperature (operation)	-40 °C 80 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % 95 %
Shock (operation)	25g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 500 Hz / 2.5 h / X, Y, Z)

General

IEC test classification	II
	T2
EN type	T2
IEC power supply system	TN
	ТТ
Mode of protection	N-PE
Mounting type	DIN rail: 35 mm
Color	jet black RAL 9005
Housing material	PA 6.6
	РВТ
Degree of pollution	2
Flammability rating according to UL 94	V-0
Туре	DIN rail module, two-section, divisible
Number of positions	1
Surge protection fault message	Optical, remote indicator contact

Protective circuit

Nominal voltage U _N	240/415 V AC (TN - only N-PE)
	240/415 V AC (TT - only N-PE)
Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous voltage U _C	260 V AC
Rated load current I _L	80 A
Residual current I _{PE}	≤ 5 µA
Standby power consumption P _C	≤ 1.5 mVA
Nominal discharge current I _n (8/20) μs	20 kA
Maximum discharge current I _{max} (8/20) μs	40 kA
Follow current interrupt rating I _{fi}	100 A
Voltage protection level U _p	≤ 1.5 kV
Residual voltage U _{res}	\leq 0.4 kV (at I _n)



Technical data

Protective circuit

	≤ 0.25 kV (at 10 kA)
	≤ 0.15 kV (at 5 kA)
	≤ 0.1 kV (at 3 kA)
Front of wave sparkover voltage at 6 kV (1.2/50) µs	≤ 1.5 kV
TOV behavior at U _⊤	1200 V AC (200 ms / withstand mode)
Response time t _A	≤ 100 ns
Max. backup fuse with V-type through wiring	80 A (gG)

Indicator/remote signaling

Switching function	PDT contact
Operating voltage	5 V AC 250 V AC
	30 V DC
Operating current	5 mA AC 1 A AC
	1 A DC
Connection method	Plug-in/screw connection via COMBICON
Screw thread	M2
Tightening torque	0.25 Nm
Stripping length	7 mm
Conductor cross section flexible	0.14 mm² 1.5 mm²
Conductor cross section solid	0.14 mm² 1.5 mm²
Conductor cross section AWG	28 16

Connection data

Connection method	Screw connection
Screw thread	M5
Tightening torque	3 Nm (1.5 mm² 16 mm²)
	4.5 Nm (25 mm² 35 mm²)
Stripping length	16 mm
Conductor cross section flexible	1.5 mm² 25 mm²
Conductor cross section solid	1.5 mm² 35 mm²
Conductor cross section AWG	15 2
Connection method	Fork-type cable lug
Conductor cross section flexible	1.5 mm² 16 mm²

UL specifications

SPD Type	4CA
Maximum continuous operating voltage MCOV (N-G)	260 V AC
Mode of protection	N-G
Power distribution system	Single phase



Technical data

UL specifications

Nominal frequency	50/60 Hz
Measured limiting voltage MLV (N-G)	1490 V
Nominal discharge current I _n (N-G)	20 kA

UL indicator/remote signaling

Operating voltage	125 V AC
Operating current	1 A AC
Tightening torque	4 lb _r in.
Conductor cross section AWG	30 14

UL connection data

Conductor cross section AWG	10 2
Tightening torque	30 lb _r -in.

Standards and Regulations

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

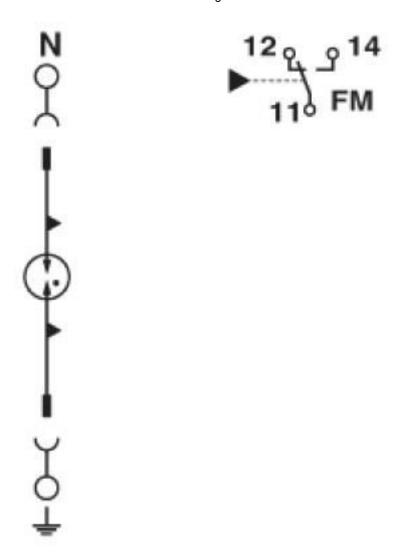
Environmental Product Compliance

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

Drawings

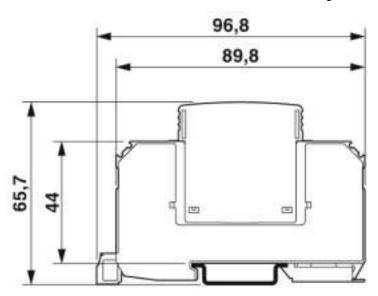


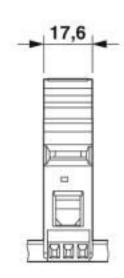
Circuit diagram





Dimensional drawing





Classifications

eCl@ss

eCl@ss 10.0.1	27130805
eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130805
eCl@ss 8.0	27130805
eCl@ss 9.0	27130805

ETIM

ETIM 2.0	EC000941
ETIM 3.0	EC000941
ETIM 4.0	EC000941
ETIM 5.0	EC000941
ETIM 6.0	EC000941
ETIM 7.0	EC000941

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610



Classifications

UNSPSC

UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

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CSA / GL / CCA / UL Recognized / KEMA-KEUR / cUL Recognized / IECEE CB Scheme / ÖVE / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

CSA http://www.csagroup.org/services-industries/product-listing/ 13631

GL https://approvalfinder.dnvgl.com/ 94388-10 HH

CCA NTR-AT 1947-A

UL Recognized http://database.ul.

http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

FILE E 330181

KEMA-KEUR http://www.dekra-certification.com 71-113273



Approvals

cUL Recognized	. F.L	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330181
IECEE CB Scheme	CB scheme	http://www.iecee.org/	AT 2905/M1
ÖVE	ÖVE	https://www.ove.at/zertifizierung-pz/zertifizierungsregister/	18583-001-14
EAC	EAC		EAC-Zulassung
EAC	EAC		RU C- DE.A*30.B01561
cULus Recognized	c FL us		

Accessories

Accessories

Bridge

Wiring bridge end cover - MPB 18/3- D - 2809322



End cover for lateral connection of wiring bridges, 3-phase



Accessories

Wiring bridge - MPB 18/1-10/1.0.0 - 2830443



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 10 pitches with contact sequence 1-0-0

Wiring bridge - MPB 18/4- 8 - 2809283



Wiring bridge for modules with connecting pitch 17.5 mm, 4-phase, 8-pos.

Wiring bridge - MPB 18/3- 6 - 2809241



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

Wiring bridge - MPB 18/1-57 - 2809238



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 57-pos.

Wiring bridge - MPB 18/1-12 - 2748593



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 12-pos.



Accessories

Wiring bridge - MPB 18/1- 9 - 2748580



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 9-pos.

Wiring bridge - MPB 18/1-8 - 2748577



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

Wiring bridge - MPB 18/1- 6 - 2748564



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 6-pos.

Wiring bridge - MPB 18/1- 4 - 2809225



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 4-pos.

Wiring bridge - MPB 18/1- 3 - 2809212



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 3-pos.



Accessories

Wiring bridge - MPB 18/1- 2 - 2809209



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 2-pos.

Cutting tools

Front cutter - CUTFOX-FBS - 1212124



Cutting tool, for separating individual jumper bars from FBS ... plug-in bridges and EB ... insertion bridges

Cable-cutting tool - CUTFOX 25 VDE - 1212127



Cable cutter, precision blade with macro-notching, for copper and aluminum up to 70 mm 2 , VDE 1000 V AC/ 1500 V DC tested

Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Labeled device marker



Accessories

Marker for terminal blocks - ZBN 18,LGS:ERDE - 2749589



Marker for terminal blocks, Strip, white, labeled, horizontal: Grounding symbol, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Marker for terminal blocks - ZBN 18,LGS:L1-N,ERDE - 2749576



Marker for terminal blocks, Strip, white, labeled, horizontal: L1, L2, L3, N, GND, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Spare parts

Type 2 surge protection plug - F-MS 12 ST - 2817990



Surge protection plug type 2, with N-PE total current spark gap for base element.

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