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Surge protection, consisting of protective plug and base element, with integrated status indicator and knife disconnection for a 2-wire floating signal circuit with high nominal current.

Your advantages

- Space-saving installation due to the narrow overall width of 6.2 mm
- Signaling without additional auxiliary power, thanks to the mechanical status indicator
- Optional remote signaling module monitors up to 40 items, without additional wiring
- 🗹 Quick and tool-free installation of surge protective devices, thanks to Push-in connection technology
- 🗹 The signal is not influenced during maintenance work, thanks to the impedance-neutral insertion and removal of protective plugs
- Error-free replacement of protective plugs, thanks to coding
- Signal circuits easily interrupted for maintenance work, thanks to vertical knife disconnection
- Safe behavior in the event of overload, thanks to the integrated disconnect device
- Simple testing and documentation with CHECKMASTER 2, thanks to pluggable protective modules

















Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 134864
GTIN	4055626134864
Weight per Piece (excluding packing)	35.580 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	105.8 mm
Width	6.2 mm +0.1 mm
Depth	100 mm (incl. DIN rail 7.5 mm)



Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C 85 °C
Ambient temperature (storage/transport)	-40 °C 85 °C
Permissible humidity (operation)	5 % 95 %
Altitude	≤ 4000 m (amsl (above mean sea level))
Degree of protection	IP20

General

Housing material	РВТ
Flammability rating according to UL 94	V-0
Color	traffic grey A RAL 7042
	light grey RAL 7035
Mounting type	DIN rail: TH 35 - 7.5 mm
Туре	DIN rail module, two-section, divisible
Direction of action	Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground

Protective circuit

IFC toot classification	
IEC test classification	C1
	C2
	C3
	D1
Nominal voltage U _N	24 V DC
Maximum continuous voltage U _C	30 V DC
	21 V AC
Rated current	6 A (55 °C)
Operating effective current I _C at U _C	≤ 5 μA
Residual current I _{PE}	≤ 1 μA
Nominal discharge current I _n (8/20) µs (line-line)	0.5 kA
Nominal discharge current I _n (8/20) µs (line-earth)	5 kA
Pulse discharge current I _{imp} (10/350) μs (line-earth)	0.5 kA
Total discharge current I _{total} (8/20) μs	5 kA
Voltage protection level U _p (line-line)	≤ 50 V (C1 - 1 kV/500 A)
	≤ 45 V (C3 - 25 A)
	≤ 50 V (C3 - 100 A)
Voltage protection level U _p (line-earth)	≤ 1.35 kV (C1 - 1 kV/500 A)
	≤ 1.45 kV (C2 - 10 kV / 5 kA)
	≤ 850 V (C3 - 25 A)
	≤ 1.1 kV (C3 - 100 A)
Response time t _A (line-line)	≤ 1 ns
Response time t _A (line-earth)	≤ 100 ns
Input attenuation aE, sym.	typ. 0.3 dB (≤ 300 kHz / 150 Ω)



Technical data

Protective circuit

Cut-off frequency fg (3 dB), sym. in 150 Ohm system	typ. 1 MHz
Capacity (line-earth)	typ. 2.2 nF
Resistance per path	\leq 100 m Ω
Max. required back-up fuse	6.3 A (FF)
Impulse durability (line-line)	C1 - 1 kV / 500 A
	C3 - 100 A
Impulse durability (line-earth)	C1 - 1 kV / 500 A
	C2 - 10 kV / 5 kA
	C3 - 100 A
	D1 - 500 A
Pulse reset time (line-earth)	≤ 40 ms

Connection data

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section solid	0.2 mm² 4 mm²
Conductor cross section AWG	24 12

Standards and Regulations

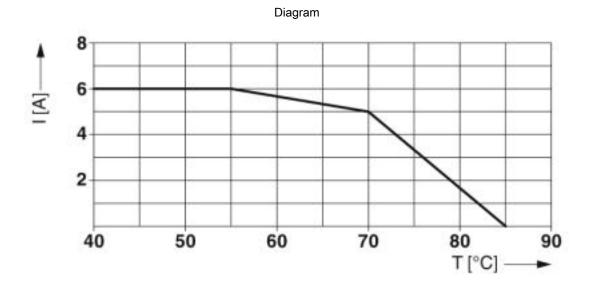
Standards/specifications	IEC 61643-21 2000 + corrigendum 2001 + A1:2008, modified + A2:2012
	EN 61643-21 2001 + A1:2009 + A2:2013

Environmental Product Compliance

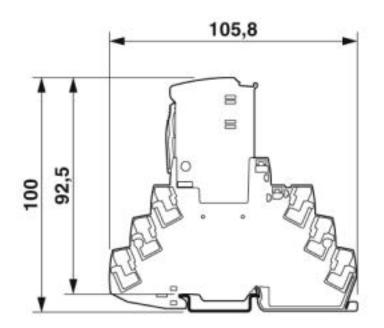
REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

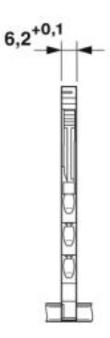
Drawings



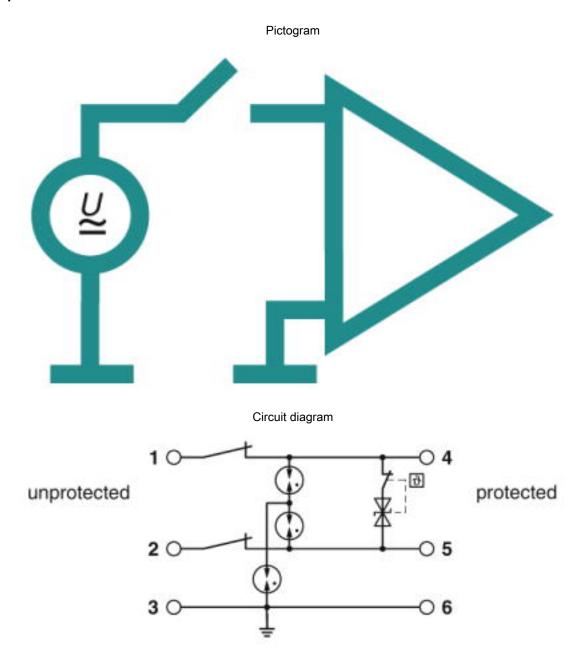


Dimensional drawing









Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130800
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807



Classifications

eCl	@ss

eCl@ss 9.0

ETIM	
ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943

27130807

ETIM 4.0	EC000943
ETIM 5.0	EC000943
ETIM 6.0	EC000943
ETIM 7.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
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

Approvals

Approvals

DNV GL / CSA / UL Listed / CSAus / cCSAus

Ex Approvals

Approval details

DNV GL https://approvalfinder.dnvgl.com/ TAE000027G

CSA http://www.csagroup.org/services-industries/product-listing/ 70136717



Approvals

UL Listed

UL LISTED

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

FILE E 138168

CSAus



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

70136717

cCSAus



Accessories

Accessories

End block

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

Labeled terminal marker

Zack Marker strip, flat - ZBF 6 CUS - 0825027



Zack Marker strip, flat, Strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 6,QR:FORTL.ZAHLEN - 0808765



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

Marker pen



Accessories

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

Terminal marking

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 6/WH-100:UNBEDRUCKT - 0808736



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

Additional products

Remote signaling set - TTC-6-FMRS-PT - 2907811



Module set for the optical monitoring and floating remote signaling of neighboring surge protective devices of the TERMITRAB complete product range.

Shield connection - SSA 3-6 - 2839295



Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black



Accessories

Shield connection - SSA 5-10 - 2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black

Spare parts

Surge protection plug - TTC-6P-2-HC-24DC-I-P - 2907845



Surge protection plug with integrated status indicator on the module for a 2-wire floating signal circuit with a high nominal current. Nominal voltage: 12 V DC

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