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Surge protection, consisting of protective plug and base element, with integrated status indicator for a 4-wire floating signal circuit with high nominal current. Ideal for 4-conductor measurements, e.g., of temperature and

Your advantages

- Efficient use of space: the narrowest pluggable surge protection solution for 4-conductor applications
- Easy function monitoring: on-site or optionally via remote signaling, with optical monitoring, without additional effort
- Servicing without affecting the signal: replace the surge protection module without affecting the measuring signal
- Flexible choice: Push-in Technology or screw connection

















Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 996837
GTIN	4055626996837
Weight per Piece (excluding packing)	55.000 g
Custom tariff number	85363010
Country of origin	Germany
Sales Key	CL2161

Technical data

Dimensions

Height	125 mm
Width	6.2 mm +0.1 mm
Depth	100 mm (incl. DIN rail 7.5 mm)

Ambient conditions

Ambient temperature (operation)	-40 °C 85 °C
Ambient temperature (storage/transport)	-40 °C 85 °C
Permissible humidity (operation)	5 % 95 %



Technical data

Ambient conditions

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-Earth Ground

Protective circuit

IEC test classification	C1
TEO test diassification	C2
	C3
	D1
Nominal voltage U _N	24 V DC
	24 V AC
Maximum continuous voltage U_{C}	36 V DC
	30 V AC
Rated current	2.5 A (60°C for insulated systems)
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)	350 A
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	10 kA
Voltage protection level U _p (line-line)	≤ 100 V (C1 - 0.7 kV / 350 A)
	≤ 100 V (C3 - 50 A)
	≤ 80 V (C3 - 25 A)
Voltage protection level U _p (line-earth)	≤ 900 V (C1 - 1 kV/500 A)
	≤ 900 V (C2 - 10 kV / 5 kA)
Response time t _A (line-line)	≤ 1 ns
Response time t _A (line-earth)	≤ 100 ns
Input attenuation aE, sym.	typ. 0.3 dB (≤ 12 MHz / 150 Ω)
Cut-off frequency fg (3 dB), sym. in 150 Ohm system	> 60 MHz
Capacity (line-line)	typ. 30 pF
Capacity (line-earth)	typ. 30 pF
Resistance per path	0.03 Ω
Surge protection fault message	optical



Technical data

Protective circuit

Max. required back-up fuse	2.5 A (F)
Impulse durability (line-line)	C1 - 700 V / 350 A
	C3 - 50 A
Impulse durability (line-earth)	C1 - 1 kV / 500 A
	C2 - 10 kV / 5 kA
	C3 - 100 A
	D1 - 500 A

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm 0.6 Nm
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

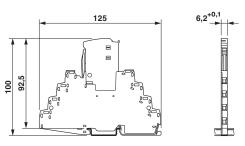
REACh SVHC	Lead 7439-92-1
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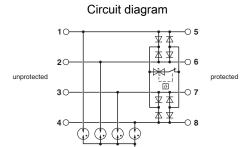
Drawings

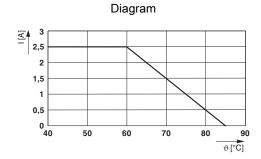
Pictogram



Dimensional drawing









Classifications

eCl@ss

eCl@ss 10.0.1	27130810
eCl@ss 11.0	27130810
eCl@ss 8.0	27130809
eCl@ss 9.0	27130810

ETIM

ETIM 5.0	EC000943

Approvals

Approvals

Approvals

UL Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

UL Listed



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

FILE E 138168

Accessories

Accessories

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



Accessories

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

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 adjacent surge protective devices in the TERMITRAB complete or CLIXTRAB product family. Suitable for directly grounded DIN rails.



Accessories

Shield connection - SSA 3-6 - 2839295



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

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-4-24DC-I-P - 1106015



Surge protection plug with integrated status indicator on the module for a 4-wire floating signal circuit with a high nominal current. Nominal voltage: 24 V DC

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