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Protective connector with protective circuit free of leakage current for two floating signals. Connection in series, consisting of varistor and gas-filled surge arrester between signal wires and ground.

Illustration shows variant PT 2X1-VF-120AC-ST

Why buy this product

- ☑ Plugs can be checked with CHECKMASTER
- Maximum ease of maintenance thanks to the two-piece design
- Base element remains an integral part of the installation
- Consistent plug-in signal circuit protection
- Protective devices for use in telecommunications and signaling networks according to IEC 61643-21





Key commercial data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	4 046356 286572
Weight per Piece (excluding packing)	23.33 g
Custom tariff number	85363010
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Height	45 mm
Width	17.7 mm
Depth	52 mm
Horizontal pitch	1 Div.



Technical data

Dimensions

Complete module height	90 mm
Complete module width	17.7 mm
Complete module depth	65.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C 80 °C
Degree of protection	IP20

General

Housing material	PA 6.6
Inflammability class according to UL 94	V0
Color	black
Mounting type	On base element
Туре	DIN rail module, two-section, divisible
Number of positions	2
Direction of action	Line-Line & Line-Earth Ground

Protective circuit

IFC test classification	C4
IEC test classification	C1
	C2
	C3
	D1
Nominal voltage U _N	230 V AC
Maximum continuous operating voltage U _C	250 V AC
Maximum continuous voltage U _C (wire-ground)	250 V AC
Nominal current I _N	6 A
Operating effective current I _C at U _C	≤ 2 μA
Residual current I _{PE}	\leq 2 μ A (at U _N)
Nominal discharge current I _n (8/20) µs	3 kA
Max. discharge current I _{max} (8/20) μs	8 kA
Nominal pulse current lan (10/1000) µs (Core-Earth)	100 A
Impulse discharge current (10/350)#µs, peak value I _{imp}	500 A
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 1.4 kV
Residual voltage at I _n , (conductor-conductor)	≤ 2 kV
Residual voltage at I _n , (conductor-ground)	≤ 1 kV
Residual voltage with Ian (10/1000)µs (conductor-conductor)	≤ 1.4 kV
Residual voltage with Ian (10/1000)µs (conductor-ground)	≤ 700 V
Energy absorption	150 J
Voltage protection level U _p (core-core)	≤ 2.5 kV (C2 - 4 kV/2 kA)
	≤ 1.8 kV (C3 - 100 A)
	≤ 2.6 kV (D1 - 500 A)
Voltage protection level U _p (core-ground)	≤ 1.1 kV (C1 - 500 A)



Technical data

Protective circuit

	≤ 1.5 kV (C2 - 4 kV/2 kA)
	≤ 1.6 kV (C3 - 100 A)
	≤ 1.8 kV (D1 - 500 A)
Response time t _A	≤ 100 ns
Capacity (Core-Core)	typ. 1.5 pF
Capacity (Core-Earth)	typ. 3 pF
Resistance in series	0 Ω
Max. required back-up fuse	6 A (gL / gG)
Impulse durability (conductor-ground)	C2 (4 kV / 2 kA)
	C3 - 100 A
	D1 (500 A)

Connection data

Connection method	Screw connection (in connection with the base element)
Connection type IN	PLUGTRAB plug-in system
Connection type OUT	PLUGTRAB plug-in system

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	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620



Approvals	
Approvals	
Approvals	
EAC	
Ex Approvals	
Approvals submitted	
Approval details	
EAC	
Accessories	
Accessories	
Device marking	
Zack marker strip - ZBN 1	8:UNBEDRUCKT - 2809128
	Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 18 mm, Lettering field: 18 x 5 mm
Labeled terminal market	er -
Zack Marker strip, flat - ZE	BF 5,LGS:FORTL.ZAHLEN - 0808671
	Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 2 - 20, 22 - 40, etc. up to 82 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm



Accessories

Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697



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: 5 mm, Lettering field: 5.15 x 5.15 mm

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 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.1 x 5.2 mm

Zack Marker strip, flat - ZBF 5/WH-100:UNBEDRUCKT - 0808668



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Necessary add-on products



Accessories

Type 3 surge protection base element - PT-BE/FM - 2839282



Base element for protective plug PT, for mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm

Additional products

Shield connection - SSA 3-6 - 2839295



shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black

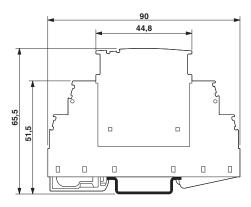
Shield connection - SSA 5-10 - 2839512



Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black

Drawings

Dimensioned drawing



The figure shows the complete module consisting of a base element and connector