

PT 2-TELE-ST


Order No.: 2838733



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Surge protection plug for base element, for protecting a double conductor of analog telecommunication interfaces.



Commercial data	
GTIN (EAN)	 4 046356 044677
sales group	J430
Pack	10 pcs.
Customs tariff	85369010
Catalog page information	Page 155 (TT-2011)

Product notes

WEEE/RoHS-compliant since:
06/06/2006



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Technical data	
General	
Housing material	PA
Inflammability class acc. to UL 94	V0
Color	black

Standards for air and creepage distances	VDE 0110-1
	IEC 60644-1
Total surge current (8/20) μ s	20 kA
Ambient temperature (operation)	-40 °C ... 85 °C
Mounting type	On base element
Design	DIN rail module, two-section, divisible
Number of positions	2
Degree of protection	IP20
Direction of action	Line-Line & Line-Earth Ground
Width	17.70 mm
Height	52.00 mm
Length	45.00 mm
Pitch unit	1 Div.

Protective circuit

IEC category	C1
	C2
	C3
	D1
	B2
VDE requirement class	C1
	C2
	C3
	D1
	B2
Maximum continuous voltage U_C (wire-wire)	185 V DC
	130 V AC
Maximum continuous voltage U_C (wire-ground)	185 V DC
	130 V AC
Nominal current I_N	450 mA (45°C)
Operating effective current I_C at U_C	$\leq 10 \mu$ A
Ground conductor current I_{PE}	$\leq 10 \mu$ A
Nominal discharge surge current I_n (8/20) μ s (Core-Core)	10 kA
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	10 kA
Total surge current (8/20) μ s	20 kA

Max. discharge surge current I_{max} (8/20) μs maximum (Core-Earth)	18 kA
Nominal pulse current I_{an} (10/700) μs (Core-Core)	100 A
Nominal pulse current I_{an} (10/700) μs (Core-Earth)	100 A
Lightning test current (10/350) μs , peak value I_{imp}	1 kA
Output voltage limitation at 1 kV/ μs (Core-Core) spike	≤ 300 V
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	≤ 300 V
Output voltage limitation at 1 kV/ μs (Core-Core) static	≤ 300 V
Output voltage limitation at 1 kV/ μs (Core-Earth) static	≤ 300 V
Residual voltage at I_n , (conductor-conductor)	≤ 160 V (C2 - 10 kV / 5 kA)
Residual voltage at I_n , (conductor-ground)	≤ 200 V (C2 - 10 kV / 5 kA)
Protection level U_p (Core-Core)	≤ 330 V (C2 - 10 kV / 5 kA)
	≤ 300 V (C2 - 2 kV/1 kA)
	≤ 270 V (C1 - 1 kV/500 A)
	≤ 300 V (B2 - 4 kV/100 A)
Response time t_A (Core-Core)	≤ 500 ns
Response time t_A (Core-Earth)	≤ 500 ns
Input attenuation a_E , sym.	Typ. 0.4 dB (≤ 5 MHz)
Cut-off frequency f_g (3 dB), sym. in 100 Ohm system	Typ. 20 MHz
Capacity (Core-Core)	Typ. 30 pF ($f=1$ MHz / $V_R=0$ V)
Capacity (Core-Earth)	Typ. 30 pF ($f=1$ MHz / $V_R=0$ V)
Resistance in series	2.2 $\Omega \pm 10$ %
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	B2 (4 kV / 100 A)
	C1 (1 kV / 500 A)
	C2 (10 kV/5 kA)
	C3 (2 kV / 25 A)
	D1 (1 kA)

Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	B2 (4 kV / 100 A)
	C1 (1 kV / 500 A)
	C2 (10 kV/5 kA)
	C3 (2 kV/25 A)
	D1 (1 kA)

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

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals

Certification GOST

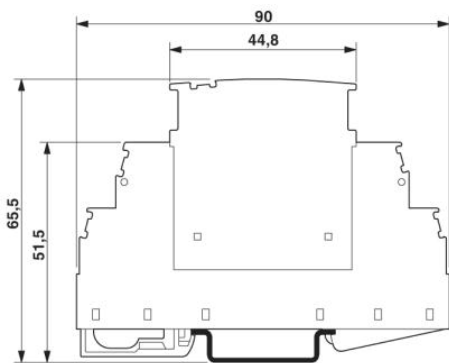
Accessories

Item	Designation	Description
Marking		
0811228	X-PEN 0,35	Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm
0814717	ZBF 15:SO/CMS	Zack strip, flat, 10-section, divisible, special printing, marking according to customer requirements
0808671	ZBF 5,LGS:FORTL.ZAHLEN	Zack marker strip, flat, printed horizontally: 10-section, with the numbers 1 - 10, 11 - 20, and so on up to 491 - 500, color: white
0810821	ZBF 5,LGS:GERADE ZAHLEN	Zack marker strip, flat, printed horizontally: 10-section, with even numbers, printed with the numbers: 2-20, 22-40, etc. up to 82-100
0810863	ZBF 5,LGS:UNGERADE ZAHLEN	Zack strip, flat, printed horizontally: 10-section, with odd numbers, printed with the numbers: 1-19, 21-39 etc. up to 81-99
0808697	ZBF 5,QR:FORTL.ZAHLEN	Zack marker strip, flat, printed vertically: 10-section, with the numbers 1 - 10, 11 - 20, and so on up to 91 - 100, color: white

0808668	ZBF 5/WH-100:UNBEDRUCKT	Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, large batch, sufficient for labeling 1000 terminal blocks, color: white
0808642	ZBF 5:UNBEDRUCKT	Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, sufficient for 100 terminal blocks, color: white
0800763	ZBN 18:SO/CMS	Marker labels, 5-section, special printing, labeled according to customer requirements (Please specify the required marking with order), for terminal width: 17.5 mm, color: White
2809128	ZBN 18:UNBEDRUCKT	Unprinted marker labels, strips with 5 labels for individual labeling with M-PEN or CMS system, for terminal block width: 17.5 mm, color: White

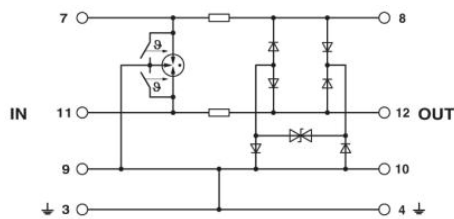
Diagrams/Drawings

Dimensioned drawing



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

Circuit diagram



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