

Surge protection plug - CT 10-2PE/FS-24 - 2807955

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LSA-PLUS plug (COMTRAB CT 10) with surge voltage coarse and fine protection for 10 floating signal circuits. Nominal voltage: 24 V DC/AC version: 10 double wires

Why buy this product

- ✓ For use with CT-TERMIBLOCK and with LSA-PLUS and LSA-PROFIL disconnect and control strips
- ✓ Multi-position, plug-in modular design
- ✓ Applications include systems with higher signal voltages
- ✓ Protection modules must be inserted in the correct direction
- ✓ Combined protective circuits



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 104740
Weight per Piece (excluding packing)	125.15 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	22 mm
Width	111 mm
Depth	68.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 75 °C
Degree of protection	IP20

General

Housing material	PBT
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Technical data

General

Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	VDE 0110-1
	IEC 60664-1
Mounting type	On CT-TERMIBLOCK and LSA-PLUS disconnect strip
Type	LSA-PLUS module
Direction of action	Line-Line & Line-Earth Ground
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00

Protective circuit

IEC test classification	C1
	C2
	C3
	D1
Nominal voltage U_N	24 V DC
Maximum continuous operating voltage U_C	40 V DC
	28 V AC
Maximum continuous voltage U_C (wire-wire)	40 V DC
Nominal current I_N	1.5 A (75°C)
Operating effective current I_C at U_C	$\leq 5 \mu\text{A}$ (a-b)
Residual current I_{PE}	$\leq 1 \mu\text{A}$ (per path)
Nominal discharge current I_n (8/20) μs (Core-Core)	119 A (25 °C)
Nominal discharge current I_n (8/20) μs (Core-Earth)	5 kA
Total surge current (8/20) μs	10 kA
Max. discharge current I_{max} (8/20) μs maximum (Core-Core)	119 A (25 °C)
Max. discharge current I_{max} (8/20) μs maximum (Core-Earth)	5 kA
Nominal pulse current I_{an} (10/1000) μs (Core-Core)	23 A (25 °C)
Output voltage limitation at 1 kV/ μs (Core-Core) spike	≤ 70 V
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	≤ 650 V
Output voltage limitation at 1 kV/ μs (Core-Core) static	≤ 60 V
Output voltage limitation at 1 kV/ μs (Core-Earth) static	≤ 650 V
Residual voltage at I_n , (conductor-conductor)	≤ 85 V
Residual voltage with I_{an} (10/1000) μs (conductor-conductor)	≤ 65 V
Response time t_A (Core-Core)	≤ 1 ns
Response time t_A (Core-Earth)	≤ 100 ns
Input attenuation a_E , sym.	0.1 dB (Typ. up to 2 MHz / 50 Ω)
	0.1 dB (Typ. up to 1 MHz / 150 Ω)
	0.1 dB (Typ. up to 400 kHz / 600 Ω)
Cut-off frequency f_g (3 dB), sym. in 50 Ohm system	10 MHz (typ.)
Cut-off frequency f_g (3 dB), sym. in 150 Ohm system	4 MHz (typ.)
Cut-off frequency f_g (3 dB), sym. in 600 Ohm system	1 MHz (typ.)

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Technical data

Protective circuit

Capacity (Core-Core)	1.1 nF (f=1 MHz / V _R = 0 V)
Capacity (Core-Earth)	1 pF
Surge protection fault message	None
Impulse durability (conductor-ground)	C1 - 1 kV/500 A
	C2 - 10 kV/5 kA
	C3 - 100 A
	D1 - 2,5 kA

Connection data

Connection method	can be plugged into COMTRAB-TERMIBLOCK and LSA-PLUS disconnect and switching strips
Connection type IN	COMTRAB plug-in system
Connection type OUT	COMTRAB plug-in system

Standards and Regulations

Standards/regulations	IEC 61643-21
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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

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Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC

Accessories

Accessories

Screw termination block

Screw termination block - CT-TERMIBLOCK 10 DA - 0441711



Screw termination block with disconnect contacts for accommodating protective plugs CT and CTM. Use in MCR and telecommunications systems. Design: 10 double wires

Necessary add-on products

Disconnect strip - CT 10-TL - 2765356



LSA-PLUS disconnect strip to hold the CTM and CT 10 protection modules. Version: 10 double conductors, dimension A: 124 mm.

Additional products

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Accessories

Mounting clip - CT 10-MB/ 3 - 2765372



Mounting clip, for holding 3 disconnect or ground wire strips. Version: 10 double conductors, dimensions: A 104.5 mm, B 65 mm.

Mounting clip - CT 10-MB/10 - 2765385



Mounting clip, for holding 10 disconnect or ground wire strips. Version: 10 double conductors, dimensions: A 104.5 mm, dimensions B 245.5 mm

Cable feed-through sleeve - CT-KDT - 2765518



Cable bush for assembly troughs, for protection of the lines guided through the laminated frame

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

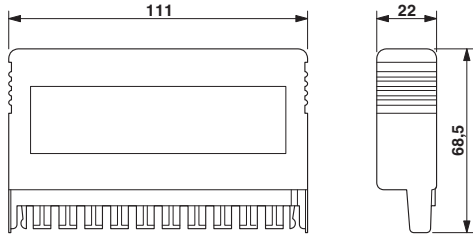


Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black

Drawings

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Dimensioned drawing



Circuit diagram

