

Surge protection plug - CT 10-18FS+F/PE-24 - 2807926

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LSA-PLUS plug (COMTRAB CT 10) with surge voltage coarse and fine protection for 18 signal lines - GND and coarse protection GND - PE. Nominal voltage: 24 V DC/AC. Design: 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
- ✓ Combined protective circuits
- ✓ Protection modules must be inserted in the correct direction



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 075408
Weight per Piece (excluding packing)	106.51 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
Mounting type	On CT-TERMIBLOCK and LSA-PLUS disconnect strip
Type	LSA-PLUS module
Direction of action	Line-Signal Ground/Shield & Signal Ground/Shield-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-GND)	40 V DC
	28 V AC
Nominal current I_N	1.5 A (75°C)
Operating effective current I_C at U_C	5 μ A (18x)
Residual current I_{PE}	$\leq 1 \mu$ A
Nominal discharge current I_n (8/20) μ s (Core-Core)	214 A (25 °C)
Nominal discharge current I_n (8/20) μ s (Core-Earth)	5 kA
Total surge current (8/20) μ s	10 kA
Max. discharge current I_{max} (8/20) μ s	119 A (25 °C)
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 60 V
Output voltage limitation at 1 kV/ μ s (Core-Earth) static	≤ 650 V
Residual voltage at I_n , (conductor-conductor)	≤ 85 V (a-b)
Residual voltage at I_n , (conductor-GND)	≤ 85 V
Residual voltage with I_{an} (10/1000) μ s (conductor-GND)	≤ 65 V
Response time t_A (Core-Core)	≤ 1 ns (a-b)
Response time t_A (Core-Earth)	≤ 100 ns (a, b)
Cut-off frequency f_g (3 dB), sym. in 50 Ohm system	10 MHz (typical)
Cut-off frequency f_g (3 dB), sym. in 150 Ohm system	2.5 MHz (typical)
Capacity (Core-Earth)	1.1 nF (1 MHz a-b)
Surge protection fault message	None
Impulse durability (conductor-ground)	D1 - 2,5 kA
Impulse durability (GND-Ground)	D1 - 2.5 kA

Connection data

Connection method	can be plugged into COMTRAB-TERMIBLOCK and LSA-PLUS disconnect and switching strips
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Technical data

Connection data

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

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

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Approvals

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

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

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Accessories

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

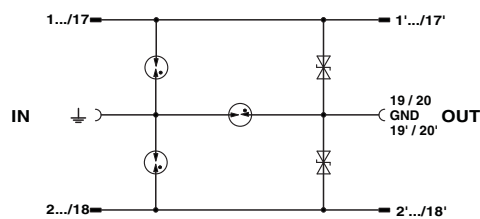
Shield connection - SSA 5-10 - 2839512



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

Drawings

Circuit diagram



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Dimensioned drawing

