

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

Product Features

- 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)	128.5 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
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Technical data

Ambient conditions

Degree of protection	IP20
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General

Housing material	PBT
Flammability rating according to UL 94	V0
Color	black
Standards for clearances 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 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)

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Protective circuit

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
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

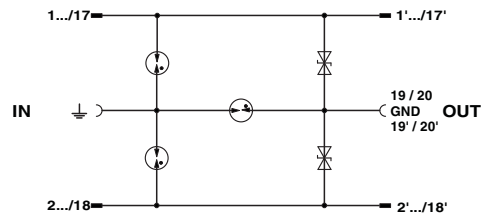
Approvals submitted

Approval details

EAC

Drawings

Circuit diagram



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Dimensional drawing

