

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




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 GRM
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
---------------------------------	------------------

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

Technical data

Ambient conditions

Degree of protection	IP20
----------------------	------

General

Housing material	PBT
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)

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

Technical data

Protective circuit

Capacity (Core-Earth)	1.1 nF (1 MHz a-b)
Surge protection fault message	None
Surge current resistance (conductor-ground)	D1 - 2,5 kA
Surge current resistance (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
-----------------------	--------------

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

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

Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details

GOST 

Accessories

Accessories

Screw termination block

Screw termination block - CT-TERMIBLOCK 10 DA - 0441711

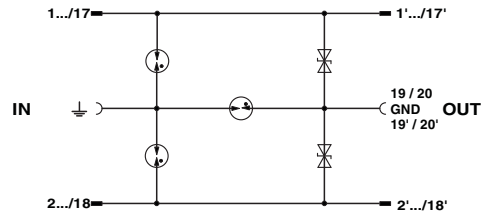


Screw termination block with disconnect contacts for accommodating protective plugs CT and CTM. Use in MCR and telecommunications systems. Design: 10 double wires

Drawings

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

Circuit diagram



Dimensioned drawing

