

Surge protection plug - CT 10-2PE/FSR-24 - 2807968

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 coarse/fine surge protection and decoupling resistor for 10 floating signal circuits. Nominal voltage: 24 V DC. Version: 10 double wires.

Your advantages

- ✓ 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	
GTIN	4017918104757

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
Flammability rating according to UL 94	V0
Color	black

Surge protection plug - CT 10-2PE/FSR-24 - 2807968

Technical data

General

Standards for clearances 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 voltage U_C	40 V DC
	28 V AC
Rated current	200 mA (25 °C)
Operating effective current I_C at U_C	$\leq 5 \mu A$ (a-b)
Residual current I_{PE}	$\leq 1 \mu A$ (per path)
Nominal discharge current I_n (8/20) μs (line-line)	5 kA
Nominal discharge current I_n (8/20) μs (line-earth)	5 kA
Total discharge current I_{total} (8/20) μs	10 kA
Max. discharge current I_{max} (8/20) μs maximum (line-line)	5 kA
Max. discharge current I_{max} (8/20) μs maximum (line-earth)	5 kA
Output voltage limitation at 1 kV/ μs (line-line) spike	$\leq 95 V$
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 650 V$
Output voltage limitation at 1 kV/ μs (line-line) static	$\leq 60 V$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 650 V$
Residual voltage at I_n (line-line)	$\leq 55 V$
Response time t_A (line-line)	$\leq 1 ns$
Response time t_A (line-earth)	$\leq 100 ns$
Input attenuation aE, sym.	1.5 dB (Typ. up to 2 MHz / 50 Ω)
	0.6 dB (Typ. up to 1 MHz / 150 Ω)
	0.2 dB (Typ. up to 100 kHz / 600 Ω)
Cut-off frequency f_g (3 dB), sym. in 50 Ohm system	7 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	900 kHz (typ.)
Capacity (line-line)	1.1 nF ($f=1 MHz / V_R=0 V$)
Capacity (line-earth)	1 pF (typ.)
Resistance in series	10 $\Omega \pm 10 \%$
Surge protection fault message	none

Surge protection plug - CT 10-2PE/FSR-24 - 2807968

Technical data

Protective circuit

Max. required back-up fuse	200 mA
Impulse durability (line-line)	C1 - 1 kV / 500 A
	C2 - 10 kV / 5 kA
	C3 - 100 A
Impulse durability (line-earth)	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 method IN	COMTRAB plug-in system
Connection method OUT	COMTRAB plug-in system

Standards and Regulations

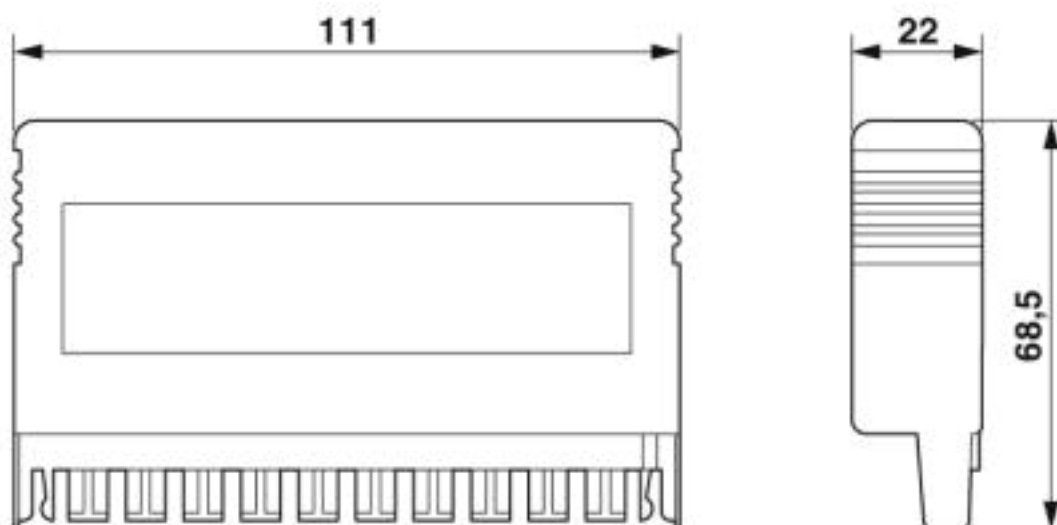
Standards/regulations	IEC 61643-21
Standards/specifications	IEC 61643-21 2000

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

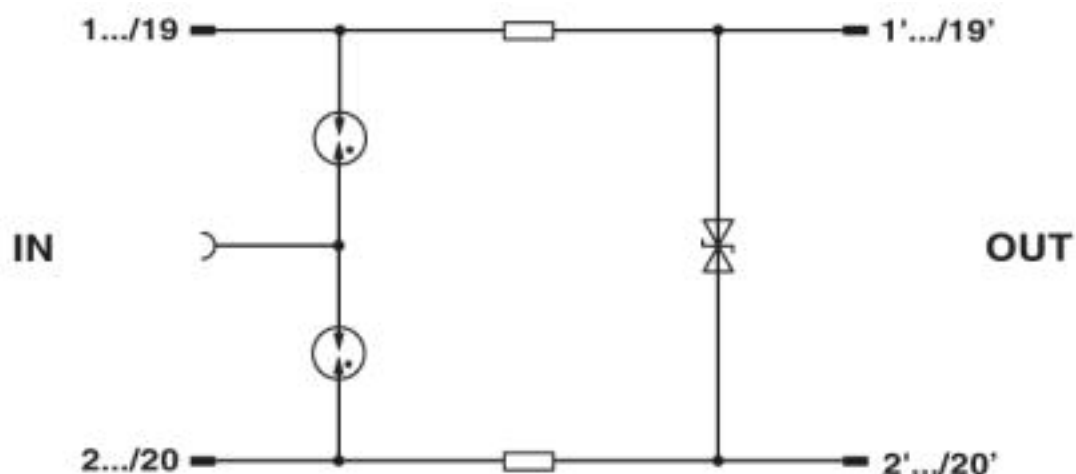
Drawings

Dimensional drawing



Surge protection plug - CT 10-2PE/FSR-24 - 2807968

Circuit diagram



Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approval details

EAC



EAC-Zulassung

EAC



RU C-
DE.A*30.B01561

Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>