

CT 10-18FSR+F/PE-24

Order No.: 2807939




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LSA-PLUS plug (COMTRAB CT 10) with surge voltage coarse and fine protection and decoupling resistance for 18 signal lines - GND and coarse protection GND - PE. Nominal voltage: 24 V DC/AC. Design: 10 double wires



Commercial data

GTIN (EAN)	 4 017918 075415
sales group	J462
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 121 (TT-2011)

Product notes

WEEE/RoHS-compliant since:
06/02/2006



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Technical data

General

Housing material	PBT
Inflammability class acc. to UL 94	V0
Color	black

Standards for air and creepage distances	VDE 0110-1
Total surge current (8/20) μs	10 kA
Ambient temperature (operation)	-25 °C ... 75 °C
Mounting type	On CT-TERMIBLOCK and LSA-PLUS disconnect strip
Design	LSA-PLUS module
Degree of protection	IP20
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
Width	111.00 mm
Height	68.50 mm
Length	22.00 mm

Protective circuit

IEC category	C1
	C2
	C3
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	140 mA (25°C)
Operating effective current I_C at U_C	$\leq 5 \mu\text{A}$ (18x)
Ground conductor current I_{PE}	$\leq 1 \mu\text{A}$
Nominal discharge surge current I_n (8/20) μs (Core-Core)	5 kA
Nominal discharge surge current I_n (8/20) μs (Core-Earth)	5 kA
Total surge current (8/20) μs	10 kA
Max. discharge surge current I_{max} (8/20) μs	5 kA
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 60 \text{ V}$ (a, b)
Output voltage limitation at 1 kV/ μs (Core-Earth) static	$\leq 650 \text{ V}$
Residual voltage at I_n , (conductor-conductor)	$\leq 85 \text{ V}$ (a-b)
Residual voltage at I_n , (conductor-GND)	$\leq 85 \text{ V}$
Response time t_A (Core-Core)	$\leq 1 \text{ ns}$ (a-b)

Response time tA (Core-Earth)	≤ 100 ns (a, b)
Input attenuation aE, sym.	1.8 dB (Typ. up to 1 MHz / 50 Ω)
	0.6 dB (Typ. up to 400 kHz / 150 Ω)
	0.2 dB (Typ. up to 60 kHz / 600 Ω)
Cut-off frequency fg (3 dB), sym. in 50 Ohm system	6 MHz (typ.)
Cut-off frequency fg (3 dB), sym. in 150 Ohm system	2.5 MHz (typ.)
Cut-off frequency fg (3 dB), sym. in 600 Ohm system	750 kHz (typ.)
Capacity (Core-Earth)	1.1 nF (1 MHz a-b)
Resistance in series	22 Ω ±10 % (a-b)
	22 Ω ±10 % (a, b)
Max. required back-up fuse	145 mA

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

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals



Certification GOST

Accessories

Item	Designation	Description
0441711	CT-TERMIBLOCK 10 DA	Screw termination block with disconnect contacts for accommodating protective plugs CT and CTM. Use in MCR and telecommunications systems. Design: 10 double wires

Assembly

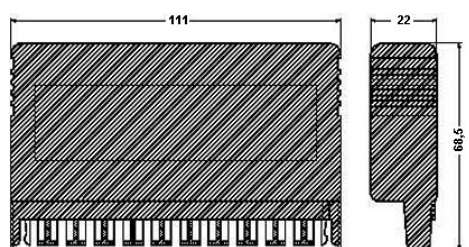
Additional products

Item	Designation	Description
Assembly		
2839295	SSA 3-6	shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black
2839512	SSA 5-10	Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black

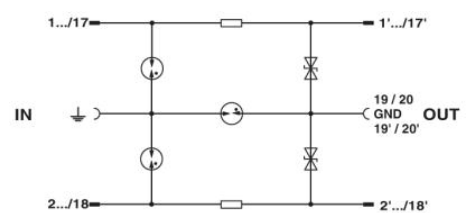
General		
2765372	CT 10-MB/ 3	Mounting clip, for holding 3 disconnect or ground wire strips. Version: 10 double conductors, dimensions: A 104.5 mm, B 65 mm.
2765385	CT 10-MB/10	Mounting clip, for holding 10 disconnect or ground wire strips. Version: 10 double conductors, dimensions: A 104.5 mm, dimensions B 245.5 mm
2765356	CT 10-TL	LSA-PLUS disconnect strip to hold the CTM and CT 10 protection modules. Version: 10 double conductors, dimension A: 124 mm.
2765518	CT-KDT	Cable bush for assembly troughs, for protection of the lines guided through the laminated frame

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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