

Surge protection plug - CT 10-9VA-230AC - 2830498

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LSA-PLUS plug (COMTRAB CT 10) with surge protection incl. visual fault warning for nine 2-core signal circuits. Nominal voltage: 230 V 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
- ✓ Specially designed for higher signal voltages of 120 V and 230 V
- ✓ Protection modules must be inserted in the correct direction
- ✓ For controllers with a large number of signal inputs and outputs, such as those used in remote control technology or traffic light systems



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 106553
Weight per Piece (excluding packing)	112.4 g
Custom tariff number	85363010
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Height	22 mm
Width	111 mm
Depth	68.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Degree of protection	IP20

General

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Technical data

General

Housing material	PBT
Inflammability class according to UL 94	V2
Color	black
Standards for clearances and creepage distances	VDE 0110-1
	IEC 60664
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
	C3
Nominal voltage U_N	230 V AC
Maximum continuous operating voltage U_C	275 V DC
	275 V AC
Maximum continuous voltage U_C (wire-ground)	275 V DC
	275 V AC
Maximum continuous voltage U_C (wire-GND)	275 V DC
	275 V AC
Nominal current I_N	1.5 A
Operating effective current I_C at U_C	≤ 1.5 mA
	≤ 2 mA
Residual current I_{PE}	≤ 1 μ A
Nominal discharge current I_n (8/20) μ s (Core-Earth)	1.5 kA
Nominal discharge current I_n (8/20) μ s (Core-GND)	1.5 kA
Nominal discharge current I_n (8/20) μ s (GND-Ground)	5 kA
Total surge current (8/20) μ s	5 kA
Max. discharge current I_{max} (8/20) μ s maximum (Core-Earth)	5 kA (10-PE)
Max. discharge current I_{max} (8/20) μ s maximum (Core-GND)	4.5 kA (10)
Residual voltage at I_n , (conductor-ground)	≤ 1.4 kV
Residual voltage at I_n , (conductor-GND)	≤ 1.1 kV
Fixed cable length	10 m
Energy absorption, asymmetrical	71 J
Voltage protection level U_p (core-ground)	≤ 1.4 kV (10-PE)
Voltage protection level U_p (core-GND)	≤ 1.1 kV (10)
Response time t_A (Core-Core)	≤ 25 ns
Response time t_A (Core-Earth)	≤ 25 ns
	≤ 100 ns
Frequency range	50 Hz ... 60 Hz

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Technical data

Protective circuit

Capacity (Core-GND)	320 pF (10)
Capacity (Core-Earth)	2 pF (10-PE)
Surge protection fault message	Optical
Max. required back-up fuse	1.5 A (gL)

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

Approvals

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Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

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.

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Accessories

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

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

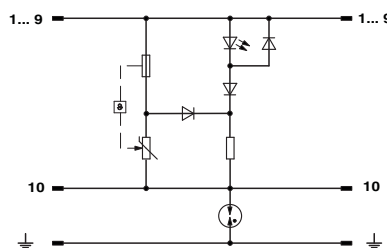
Shield connection - SSA 5-10 - 2839512



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

Drawings

Circuit diagram



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Dimensioned drawing

