

PoE Surge Protector DT-CAT 6A/EA

Class II • Type 2



- Support for Power over Ethernet + up to 1 A (PoE+ according to IEEE 802.3at)
- CAT 6A in the channel according to ANSI / TIA / EIA-568
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_B-2 and higher

The PoE surge protector supports Power over Ethernet with nominal currents up to 1 A. It can be directly mounted on a DIN rail and used to establish equipotential bonding.

Alternatively, terminal protection can be implemented using a separately connectable device.

Technical Data

DT-CAT 6A/EA

IEC Electrical

SPD according to EN 61643-21 / IEC 61643-21		Class II / Type 2
Maximum Continuous Operating Voltage (AC)	U_C	41 V
Maximum Continuous Operating Voltage (DC)	U_C	58 V
Maximum Continuous Operating Voltage (DC) Pair-Pair (PoE)	U_C	57 V
Rated Current	I_L	1 A
Impulse Durability (Line - Line)		C1: 500 V / 250 A
Nominal Discharge Current C2 (Total)		7 kA
Impulse Durability (Line - PE)		C2: 5 kV / 2.5 kA
Impulse Durability (Line - PE)		C3: 1000 V / 10 A
Impulse Durability (Line - PE)		C1: 1000 V / 500 A
Total Discharge Current (10/350)		2.5 kA
Protection Level Up C1 (Line - Line)		500 V
Protection Level Up C2 (Line - Earth)		600 V
Protection Level Up C3 (Line - Earth)		600 V
Insertion Loss at 250 MHz		< 2 dB
Capacitance Line - Line	C	< 255 pF
Capacitance Line - PG	C	< 165 pF
Range of Operating Temperatures	T_u	-40°C to +70°C
Degree of Protection		IP20
Connection (Input / Output)		RJ45 / RJ45
Pinning		1 / 2, 3 / 6, 4 / 5, 7 / 8
Enclosure Material		Aluminum housing
Earthing via		Connecting line
Transmission Class According to ISO/IEC 11801		Cat. 6
Transmission Class According to EN 50173-1		Class EA
Transmission Class According to ANSI/TIA/EIA-568		Cat. 6A in the channel
Approvals		TUV CB
Mounting		35 mm DIN Rail, EN 60715

Order Information

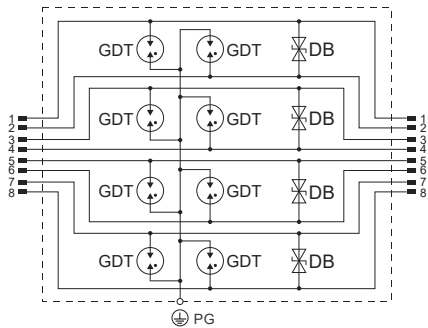
Ordering Code	58
DT-CAT 6A/EA	0074158



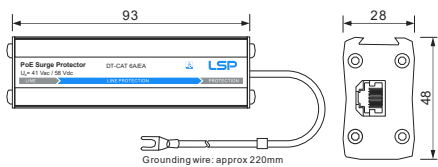
DT-CAT 6A/EA

Internal Configuration

- Legend
- ⊕ PE/G Conductor Terminal
 - DB Diode Block
 - GDT Gas Discharge Tube



Dimensions & Packaging



Complete Unit	
DT-CAT 6A/EA	58 Vdc
DIN 43880 Dimensions	1 CTN
Packaging Dimensions (H x W x L)	[260 × 220 × 330 mm]
Standards Order Quantity	42 Units