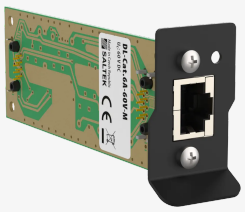
DL-Cat.6A-60V-M

SPD - for data, signalling and telecommunications lines / ICT / Ethernet and PoE - for 19" RACK

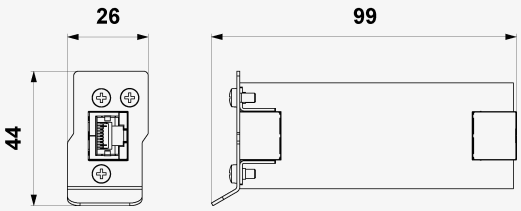
Fine surge protector module for Ethernet networks with PoE and general structured cabling

fine protector module for Ethernet networks with PoE and general structured cabling

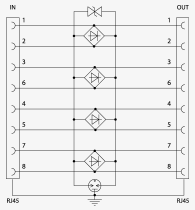
- fine surge protection of Ethernet line with PoE and structured cabling networks with signals with amplitudes up to 60 V
- installation at the entry of the line into building or close to the protected equipment, at the boundary of LPZ 0 and LPZ 1 or higher
- for protection of Ethernet line with PoE, IP telephony, KNX, DMX, RS-485, signalling loops and other signals over twisted pairs against surge voltage
- suitable for all PoE types - PoE/PoE+/PoE++ (IEEE 802.3 af/at/bt)
- installation into DL-PL-RACK-1U box
- DL-...-M with front output
- Dl-...-m-R with rear output



Product dimensions



Basic circuit diagram



Parameter name		Parameter value
Type of SPD		C2,C3
Location of SPD		ST 2+3
Mounting		DL-PL-RACK-1U
Maximum operating voltage core-core	U_c	60 V DC
Maximum operating voltage pair-pair (POE)	U_c	60 V DC
Nominal load current per core at 25 °C	I_L	0.5 A
Treshold frequency core-core	f	250.00 MHz
Insertion attenuation at treshhold frequency		2.90 dB
C2 nominal discharge current (8/20 µs) core-core	I_n	0.20 kA
C2 nominal discharge current (8/20 µs) per core	I_n	0.20 kA
C2 total discharge current (8/20 µs) cores-PE	I_{Total}	1.60 kA

C2 voltage protection level mode core-core (@Uoc/In)	U_p	130,00 V (0,4 kV / 0,2 kA)
C2 voltage protection level mode core-PE (@Uoc/In)	U_p	400,00 V (0,4 kV / 0,2 kA)
C2 voltage protection level mode pair-pair (POE) (@Uoc/In)	U_p	130,00 V (0,4 kV / 0,2 kA)
C3 voltage protection level mode core-core (@In - 1 kV/µs)	U_p	130,00 V (10 A)
C3 voltage protection level mode core-PE (@In - 1 kV/µs)	U_p	600,00 V (10 A)
C3 voltage protection level mode pair-pair (POE) (@In - 1 kV/µs)	U_p	130,00 V (10 A)
Response time core-core	t_a	1 ns
Response time core-PE	t_a	100 ns
Connection (input - output)		RJ 45/RJ 45
Degree of protection		IP 30 (without connectors IP 10)
Range of ambient temperatures (min/max)		-25 / 50 °C
Humidity		15 - 85 %
According to standard		EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012
Customs tariff number		85363010
EAN		8595090542100
Order number		A04210