

# DL-Cat.6A-M

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

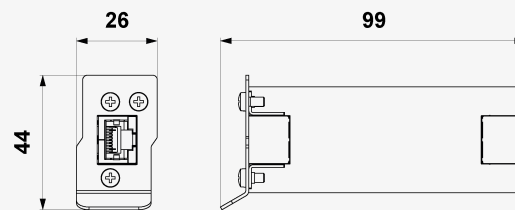
SPD for high-speed Ethernet networks (up to Cat.6A) without PoE

LPZ 1 and higher, Ethernet without PoE

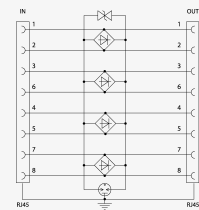
- fine surge protection
- installation at protected device inside LPZ1 and higher (not suitable for LPZ 0)
- for protection of Ethernet networks (up to Cat.6A) without PoE
- installation into DL-PL-RACK-1U box
- DL-...-M with front output
- DL-...-R-M with rear output
- not applicable for Ethernet with PoE



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	$U_c$	6.00 V AC
Maximum operating voltage	$U_c$	8.50 V DC
Maximum operating voltage POE	$U_c$	6.00 V AC
Maximum operating voltage POE	$U_c$	8.50 V DC
Nominal load current per core at 25 °C	$I_L$	0.5 A
Treshold frequency core-core	$f$	500.00 MHz
Insertion attenuation at treshold frequency		2.90 dB
C2 nominal discharge current (8/20 $\mu$ s) per core	$I_n$	0.20 kA
C2 total discharge current (8/20 $\mu$ s) cores-PE	$I_{Total}$	1.60 kA
C2 voltage protection level mode (POE) at $I_n$	$U_p$	55.00 V

C2 voltage protection level mode core-PE at In	$U_p$	400 V
C2 voltage protection level mode core-core at In	$U_p$	55 V
C3 voltage protection level mode (POE) at 1 kV/ $\mu$ s		30.00 V
C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s	$U_p$	600 V
C3 voltage protection level mode core-core at 1 kV/ $\mu$ s	$U_p$	30 V
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 20
Range of ambient temperatures (min/max)		-40 / 80 °C
Humidity		5 - 95 %
According to standard		EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012
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