

# DL-1G-POE-INJECTOR

**SPD - for data, signalling and telecommunications lines / ICT / Ethernet and PoE - compact**

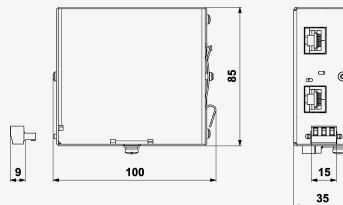
SPD for Ethernet 1 Gb/s (Cat.6) with PoE

RJ45 + SV connectors

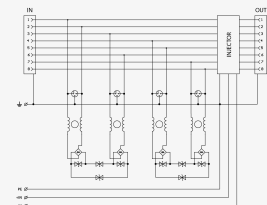
- two-stage surge protection device for Ethernet protection, combined with PoE protection including the injector
- installed at the entry point into the building object, near the equipment to be protected, at the interface of the LPZ 0 and LPZ 1 and higher zones
- for use in Ethernet Cat. 6 lines with PoE (Power over Ethernet), operating in A and B modes, to protect them from peak overvoltages



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	D1,C2,C3
Location of SPD	ST 1+2+3
Mounting	DIN rail 35 mm
Maximum operating voltage	$U_c$ 8.50 V DC
Maximum operating voltage POE	$U_c$ 58.00 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 treshold frequency	1.20 dB
D1 total discharge current (10/350 $\mu$ s) cores-PE	$I_{Total}$ 2.00 kA
C2 nominal discharge current (8/20 $\mu$ s) per core	$I_n$ 0.15 kA
C2 total discharge current (8/20 $\mu$ s) cores-PE	$I_{Total}$ 10.00 kA
C2 voltage protection level mode (POE) at $I_n = 1,25$ kA	$U_c$ 90.00 V
C2 voltage protection level mode core-PE at $I_n = 1,25$ kA	$U_p$ 700.00 V

C2 voltage protection level mode core-core at In	$U_p$	70 V
C3 voltage protection level mode (POE) at 1 kV/ $\mu$ s		80.00 V
C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s	$U_p$	500 V
C3 voltage protection level mode core-core at 1 kV/ $\mu$ s	$U_p$	80 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
Customs tariff number		85363030
EAN		8595090566205
Order number		A06620