

# DL-1G-RJ45-POE

Ordering number 8595090558279

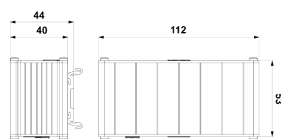
## Surge Arrester for Power over Ethernet Cat.5x

RJ 45 sockets

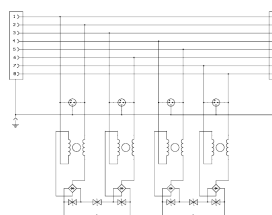
two-stage protection of Ethernet, instalation at the entrance of th line into the structure and close to equipment, at the boundary of LPZ 0 and LPZ 1 or higher, for protection of Ethernet network Cat. 6 with PoE (Power over ethernet) against surge overvoltage



### Dimension drawing



### Basic circuit diagram



## Technical specifications

Type of SPD		D1,C2,C3
D1 total discharge current (10/350 μs) cores-PE	$I_{Total}$	2,00 kA
Degree of protection		IP 20
Range of operating temperatures - min		-40 °C
Range of operating temperatures - max		80 °C
Mounting		DIN rail 35 mm
According to standard		EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012
ETIM Class		EC001473

## Line part

Location of SPD		ST 1+2+3
Maximum operating voltage	$U_c$	8,50 V DC
Nominal load current	$I_L$	0,500 A
C2 nominal discharge current (8/20 μs) per core	$I_n$	0,15 kA
C2 total discharge current (8/20 μs) cores-PE	$I_{Total}$	10,00 kA
C2 voltage protection level mode core-core at $I_n$	$U_p$	50 V
C2 voltage protection level mode core-PE at $I_n$	$U_p$	400 V
C3 voltage protection level mode core-core at 1 kV/μs	$U_p$	20 V
C3 voltage protection level mode core-PE at 1 kV/μs	$U_p$	350 V
Response time core-core	$t_a$	1 ns
Response time core-PE	$t_a$	100 ns
Insertion attenuation at 250 MHz		1,50 dB
Connection (input - output)		RJ 45/RJ 45

## Power part

Maximum operating voltage	$U_c$	58,00 V DC
Nominal load current	$I_L$	1,500 A
C2 nominal discharge current (8/20 μs) core-core	$I_n$	0,15 kA
C2 total discharge current (8/20 μs) cores-PE	$I_{Total}$	10,00 kA
C2 voltage protection level mode (POE) at $I_n$		100,00 V
C2 voltage protection level mode core-PE at $I_n$	$U_p$	400 V
C3 voltage protection level mode (POE) at 1 kV/μs		75,00 V
C3 voltage protection level mode core-PE at 1 kV/μs	$U_p$	350 V
Response time core-core	$t_a$	1 ns

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Response time core-PE

$t_a$

100 ns

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