

# D-ETH2-A/RJ45-BB - Surge protection device



2748988

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Attachment plug with surge protection for Ethernet and Thin- Ethernet with twisted pair wiring, connection: RJ45 sockets

## Commercial data

Item number	2748988
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL24
Product key	CL3111
GTIN	4017918104887
Weight per piece (including packing)	131.6 g
Weight per piece (excluding packing)	115.6 g
Customs tariff number	85363010
Country of origin	DE

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## Technical data

### Protective circuit

Nominal current $I_N$	1.5 A (25 °C)
Operating effective current $I_C$ at $U_C$	$\leq 300 \mu\text{A}$
Protective conductor current $I_{PE}$	$\leq 1 \mu\text{A}$
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (line-line)	350 A
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (line-signal ground)	2.5 kA
Output voltage limitation at 1 kV/ $\mu\text{s}$ (line-line) static	$\leq 14 \text{ V}$
Output voltage limitation at 1 kV/ $\mu\text{s}$ (line-earth) static	$\leq 1.4 \text{ kV}$
Residual voltage at $I_n$ (conductor-conductor)	$\leq 37 \text{ V}$
Residual voltage at $I_n$ (conductor-ground)	$\leq 70 \text{ V}$
Response time $t_A$ (line-line)	$\leq 500 \text{ ns}$
Response time $t_A$ (line-earth)	$\leq 100 \text{ ns}$
Input attenuation aE, sym.	1 dB (up to 100 MHz, 100 $\Omega$ system)
Cut-off frequency $f_g$ (3 dB), sym. in 100 $\Omega$ system	> 100 MHz
Capacity (Core-Core)	18 pF (1 MHz)
Capacity (Core-Earth)	1 pF (1 MHz)

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C

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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)