

Type 3 surge protection device - CBT-2M-RJ45/1 - 2749013

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Two-way socket strip with surge protection and RJ45 connection for LAN interfaces. For country-specific use in: D, A, I, NL, S, E, N, FIN

Your advantages

- ✓ Easy operation
- ✓ Corresponds to category 5 (up to 100 Mbps)
- ✓ Combination of ground contact sockets and RJ45 socket
- ✓ For Ethernet and token ring networks



Key Commercial Data

Packing unit	1
GTIN	 4 017918 062620
GTIN	4017918062620
Custom tariff number	85363010

Technical data

Dimensions

Height	261 mm
Width	61 mm
Depth	47 mm
Length of cable	2 m

Ambient conditions

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

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Technical data

General

Flammability rating according to UL 94	V0
Standards for clearances and creepage distances	VDE 0110-1
	IEC 60664
Total surge current (8/20) μ s	2.5 kA
Color	black
For country-specific use in	D, A, I, NL, E, P
Mounting type	Socket strip
Type	Socket strip
Direction of action	L-N-PE & Signal Line-Signal Line-Earth Ground

Protective circuit, power supply

EN type	T3
Nominal voltage U_N	230 V AC
Arrester rated voltage U_C (L-PE)	250 V AC
Nominal current I_N	16 A (30 °C)
Operating effective current I_C at U_C	≤ 6 mA
Residual current I_{PE}	≤ 1 μ A
Nominal discharge current I_n (8/20) μ s (L-N)	2.5 kA
Nominal discharge current I_n (8/20) μ s (L-PE)	2.5 kA
Max. discharge current I_{max} (8/20) μ s maximum (L-N)	8 kA
Max. discharge current I_{max} (8/20) μ s maximum (L-PE)	8 kA
Combination wave U_{OC}	6 kV
Voltage protection level U_p (L-N)	≤ 1.3 kV
Voltage protection level U_p (L-PE)	≤ 1.5 V
Total surge current (8/20) μ s	2.5 kA
Response time (L-N)	≤ 25 ns
Response time (L-PE)	≤ 100 ns
Capacity (L-N)	600 pF
Capacity (L-PE)	1 pF
Surge protection fault message	optical
Max. required back-up fuse	16 A (gL)
Residual voltage at I_n , (L-N)	≤ 1.1 kV
Residual voltage at I_n , (L-PE)	≤ 650 V

Connection (protective circuit, power supply)

Connection method IN	Ground contact connector + RJ45
Connection method OUT	Ground contact socket + RJ45

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Technical data

Standards (protective circuit, power supply)

Standards/regulations	IEC 61643-1
	EN 61643-11

Protective circuit, information technology

Arrester rated voltage U_C (Core-Core)	6.2 V DC
Nominal current I_N	1.5 A (25 °C)
Operating effective current I_C at U_C	$\leq 300 \mu\text{A}$
Residual current I_{PE}	$\leq 1 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (line-line)	350 A
Nominal discharge current I_n (8/20) μs (line-earth)	2.5 kA
Max. discharge current I_{max} (8/20) μs maximum (line-line)	350 A
Max. discharge current I_{max} (8/20) μs maximum (line-earth)	2.5 kA
Voltage protection level U_p (line-line)	$\leq 42 \text{ V}$
Voltage protection level U_p (line-earth)	$\leq 1.5 \text{ kV}$
Response time t_A (line-line)	$\leq 500 \text{ ns}$
Response time t_A (line-earth)	$\leq 100 \text{ ns}$
Input attenuation aE, sym.	$\leq 0.8 \text{ dB}$ ($\leq 100 \text{ MHz}$)
	$\leq 1 \text{ dB}$ (up to 100 MHz, 150 Ω system)
Cut-off frequency f_g (3 dB), sym. in 100 Ω system	$> 100 \text{ MHz}$
Cut-off frequency f_g (3 dB), sym. in 150 Ω system	$> 100 \text{ MHz}$
Capacity (line-line)	18 pF
Capacity (line-earth)	1 pF
Output voltage limitation at 1 kV/ μs (wire-wire)	$\leq 14 \text{ V}$
Output voltage limitation at 1 kV/ μs (wire-earth)	$\leq 1.5 \text{ kV}$
Residual voltage at I_n (line-line)	$\leq 42 \text{ V}$
Residual voltage at I_n (line-earth)	$\leq 50 \text{ V}$

Power supply, general

Connection method	RJ45
Connection method IN	RJ45 socket
Connection method OUT	RJ45 socket

Standards (protective circuit, information technology)

VDE requirement class	C2
	C3
IEC test classification	C2
	C3

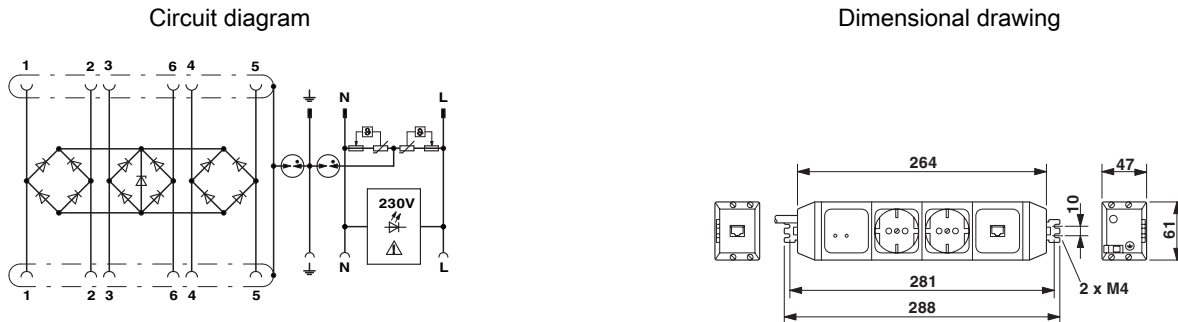
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Technical data

Standards (protective circuit, information technology)

Standards/regulations	IEC 61643-21
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Drawings



Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130810
eCl@ss 7.0	27130810

ETIM

ETIM 2.0	EC001473
ETIM 3.0	EC001473
ETIM 4.0	EC001473

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

