

CBT-4SFP-10 - EMC filter surge protection device



2748386

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Four-way socket strip, with surge protection and interference filter, power display, on/off switch. Visual and acoustical fault warning in the case of overload. For country-specific use in: D, A, I, NL, S, E, N, FIN

Commercial data

Item number	2748386
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	CLC121
Catalog page	Page 231 (TT-2011)
GTIN	4017918104856
Weight per piece (including packing)	973 g
Weight per piece (excluding packing)	972.06 g
Customs tariff number	85363010
Country of origin	DE

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Technical data

Product properties

Product type	EMC filters
Type	Socket strip
For country-specific use in	D, A, I, NL, S, E, FIN, P
Surge protection fault message	optical

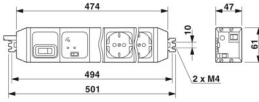
Insulation characteristics

Overvoltage category	III
Pollution degree	2
IEC test classification	III
EN type	T3

Connection data

Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section, rigid min.	0.2 mm ²
Conductor cross section, rigid max.	6 mm ²

Dimensions

Dimensional drawing	
Width	61 mm
Height	474 mm
Depth	47 mm

Material specifications

Flammability rating according to UL 94	V0
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Cable/line

Cable length	2.00 m
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Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

Direction of action	1L-N & N-PE
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Nominal frequency f_N	50 Hz
	60 Hz
Maximum continuous operating voltage U_C (L-N)	250 V AC
Maximum continuous operating voltage U_C (L-PE)	250 V AC
Rated load current I_L	10 A (40 °C)
Residual current I_{PE}	≤ 0.5 mA
Operating effective current I_C at U_C	≤ 6 mA
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
Maximum discharge current I_{max} (8/20) μ s (L-N)	6.5 kA
Maximum discharge current I_{max} (8/20) μ s (L-PE)	6.5 kA
Energy absorption symmetrical	85 J
Energy absorption, asymmetrical	85 J
Voltage protection level U_p (L-N)	≤ 650 V
Voltage protection level U_p (L-PE)	≤ 650 V
Voltage protection level U_p (N-PE)	≤ 650 V
Residual voltage at I_n	≤ 650 V
	≤ 650 V
Response time t_A (L-N)	≤ 100 ns
Response time t_A (L-PE)	≤ 100 ns
Inductivity in series	1.8 mH ± 30 % (with current compensation)
Capacity (L-N)	330 nF ± 10 % (2x, type X2)
Capacity (L-PE)	2.2 nF ± 20 % (2x, type Y)
Capacity (N-PE)	2.2 nF ± 20 % (2x, type Y)
Max. required back-up fuse	10 A (circuit breaker/1-pos./thermal)
Input attenuation aE, sym.	≥ 40 dB (1 MHz/50 Ω)
Input attenuation aE, asym.	≥ 40 dB (1 MHz/50 Ω)

Filter data

Discharge resistance	$< 100000 \Omega$
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 75 °C

Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN VDE 0675-6
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Standards

Standards/regulations	IEC 61643-1
	EN 61643-11/A11
	DIN EN 60939-2

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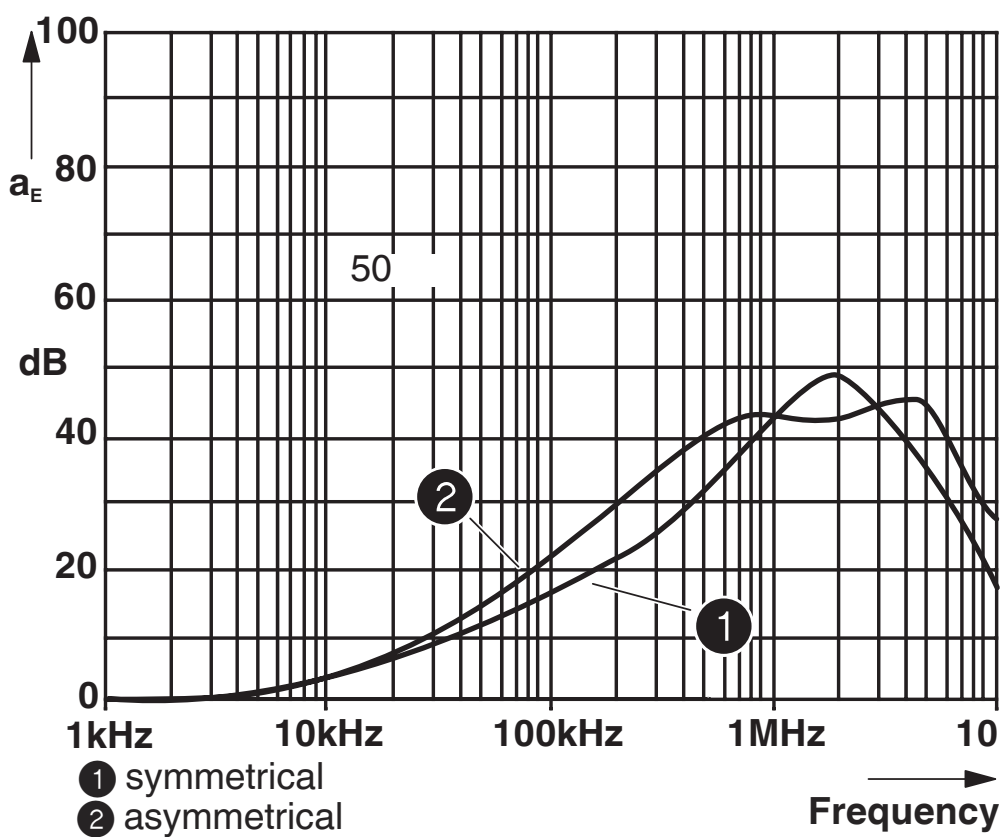
Standards/specifications	IEC 61643-1
Note	2005
Standards/specifications	EN 61643-11/A11
Note	2007
Standards/specifications	DIN EN 60939-2
Standards/specifications	VDE 0565-3

Mounting

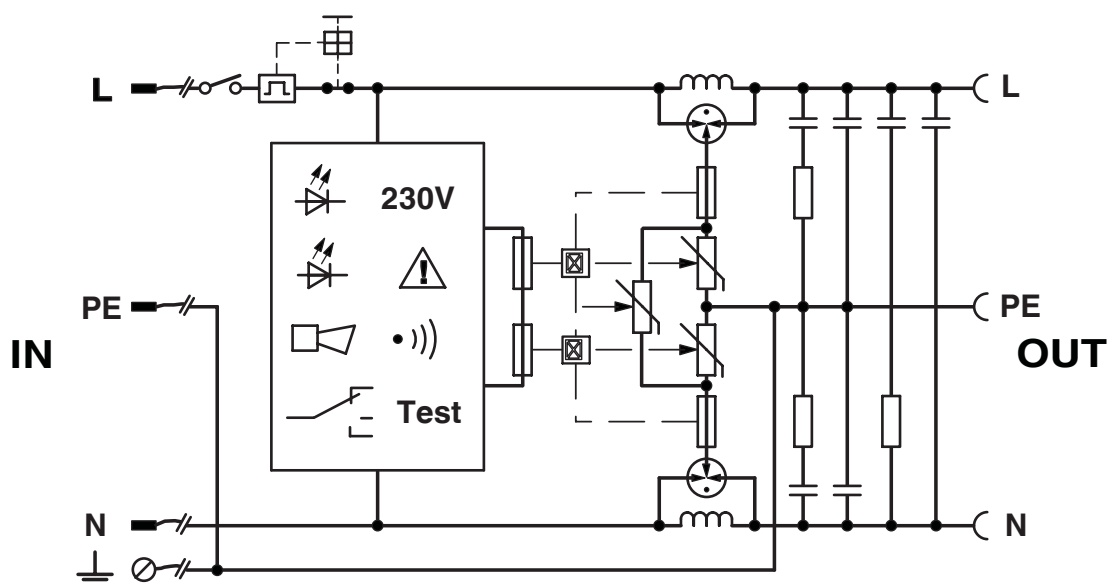
Mounting type	Socket strip
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Drawings

Diagram



Circuit diagram



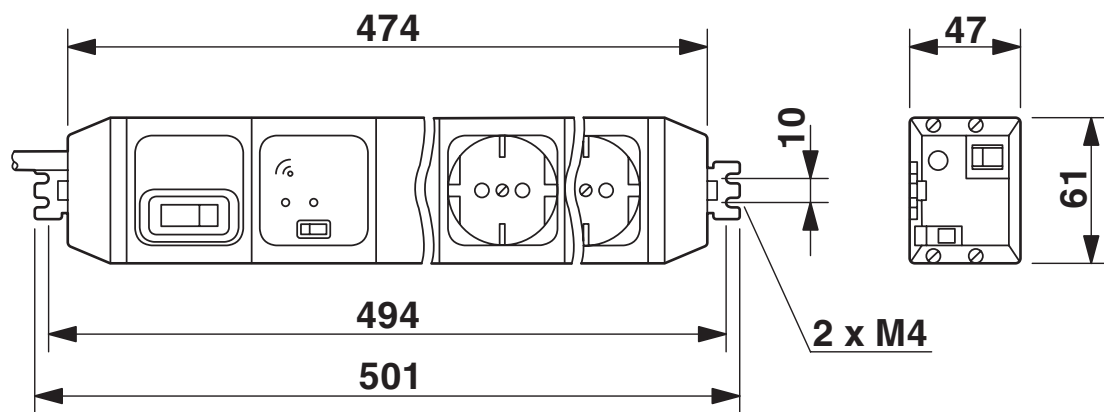
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Dimensional drawing



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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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