

MNT-TV-SAT D/WH - Type 3 surge protection device



2882297

<https://www.phoenixcontact.com/us/products/2882297>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Socket attachment plug with surge protection for the power supply unit and signal connection for radio and television equipment (cable, terrestrial antenna, satellite system). Cable is provided.



Your advantages

- Optimal additional protection of the building installation for longer service life and increased availability of the end devices
- Industrial quality for residential buildings, thanks to compliance with international product standard
- Meets the most stringent safety requirements with thermal monitoring and additional fuses
- Ideal addition to the C-SAT surge protective device, direct end device protection

Commercial data

Item number	2882297
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CL1424
GTIN	4046356073509
Weight per piece (including packing)	313.8 g
Weight per piece (excluding packing)	309.35 g
Country of origin	DE

MNT-TV-SAT D/WH - Type 3 surge protection device



2882297

<https://www.phoenixcontact.com/us/products/2882297>

Technical data

Notes

General

Note	Shielding requirements according to DIN EN 50083-2, Class A
------	---

Product properties

Product type	Device protection
Product family	MAINTRAB
IEC test classification	C2
	C3
	D1
IEC power supply system	TN
	TT
Type	Intermediate plug
Number of positions	2
For country-specific use in	D, A, NL, E, S, FIN, TR
Surge protection fault message	optical

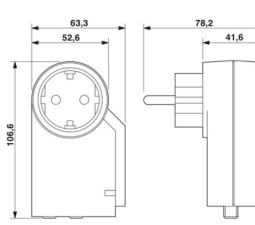
Insulation characteristics

Overvoltage category	II
Pollution degree	2
IEC test classification	III
	T3
EN type	T3
Number of ports	One

Connection data

Connection method	F connector
Connection method	Grounding plug/socket

Dimensions

Dimensional drawing	
Width	63 mm
Height	107 mm
Depth	78 mm

Material specifications

MNT-TV-SAT D/WH - Type 3 surge protection device



2882297

<https://www.phoenixcontact.com/us/products/2882297>

Color	white (RAL 9010)
	black (RAL 9005)
Flammability rating according to UL 94	V-0
CTI value of material	400
	600
Insulating material	PA 6
Housing material	PA 6

Protective circuit

Power supplies

Direction of action	L/N-PE & Signal Line-Shield-Earth Ground
Nominal voltage U_N	230/400 V AC (TN/TT)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous operating voltage U_C (L-N)	275 V AC
Maximum continuous operating voltage U_C (L-PE)	360 V AC
Maximum continuous operating voltage U_C (N-PE)	360 V AC
Rated load current I_L	16 A (30 °C)
Protective conductor current I_{PE}	$\leq 5 \mu A$
Standby power consumption P_C	$\leq 1 VA$
Reference test voltage U_{REF}	255 V AC
Combination wave U_{OC}	6 kV
Voltage protection level U_p	$\leq 1.5 kV$
TOV behavior at U_T (L-N)	460 V AC (5 s / withstand mode)
	460 V AC (120 min / safe failure mode)
TOV behavior at U_T (L-PE)	460 V AC (5 s / withstand mode)
	460 V AC (120 min / withstand mode)
	1455 V AC (200 ms / safe failure mode)
TOV behavior at U_T (N-PE)	1200 V AC (200 ms / safe failure mode)
Response time t_A (L-N)	$\leq 25 ns$
Response time t_A (L-PE)	$\leq 100 ns$
Response time t_A (N-PE)	$\leq 100 ns$
Max. required back-up fuse	16 A (gG / B / C)
Short-circuit current rating I_{SCCR}	1.5 kA AC

Information technology

Maximum continuous operating voltage U_C	24 V DC
Rated current	1.5 A (25 °C)
Operating effective current I_C at U_C	$\leq 1 \mu A$
Standby power consumption P_C	$\leq 1 VA$
Protective conductor current I_{PE}	$\leq 1 \mu A$
Insulation resistance R_{iso}	$\geq 70 M\Omega$
	$\geq 70 M\Omega$
Nominal discharge current I_n (8/20) μs (line-ground)	2.5 kA
Nominal discharge current I_n (8/20) μs (line-shield)	2.5 kA

MNT-TV-SAT D/WH - Type 3 surge protection device



2882297

<https://www.phoenixcontact.com/us/products/2882297>

Nominal discharge current I_n (8/20) μ s (shield-ground)	5 kA
Total discharge current I_{Total} (8/20) μ s	5 kA
Nominal pulse current I_{an} (10/1000) μ s (line-shield)	120 A
Nominal pulse current I_{an} (10/1000) μ s (shield-ground)	200 A
Output voltage limitation at 1 kV/ μ s (line-shield) spike	\leq 700 V
Output voltage limitation at 1 kV/ μ s (shield-ground) spike	\leq 1 kV
Output voltage limitation at 1 kV/ μ s (line-shield) static	\leq 700 V
Output voltage limitation at 1 kV/ μ s (shield-ground) static	\leq 1 kV
Residual voltage at I_n (conductor-shield)	\leq 40 V
Residual voltage at I_n (shield-ground)	\leq 50 V
Voltage protection level U_p (line-shield)	\leq 700 V (C2 - 2 kA)
Voltage protection level U_p (shield-ground)	\leq 1.2 kV (C2 - 5 kA)
Response time t_A (line-shield)	\leq 100 ns
Response time t_A (shield-ground)	\leq 100 ns
Input attenuation a_E , asym.	typ. 0.3 dB (\leq 2.4 GHz / 75 Ω)
Cut-off frequency f_g (3 dB), asym. (shield) in 75 Ω system	typ. 2.5 GHz
Frequency range	0 Hz ... 2400 MHz
Capacity asymmetrical (shield)	typ. 10 pF
Alternating current carrying capacity (line-shield)	5 A - 1 s
Alternating current carrying capacity (shield-ground)	10 A - 1 s
Pulse reset time (line-shield)	\leq 4 s

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (Child-proofing)
Ambient temperature (operation)	-25 °C ... 75 °C
Ambient temperature (storage/transport)	-25 °C ... 75 °C
Altitude	\leq 2000 m (amsl)
Permissible humidity (operation)	5 % ... 95 %

Standards and regulations

Standards/specifications	IEC 61643-11
Note	2011
Standards/specifications	EN 61643-11
Note	2019
Standards/specifications	EN 61643-21
Note	A2:2013
Standards/specifications	IEC 61643-21
Note	A2:2012
Standards/specifications	EN 50083
Note	CLASS-A

Mounting

Mounting type	Plugging into the mains socket
---------------	--------------------------------

MNT-TV-SAT D/WH - Type 3 surge protection device

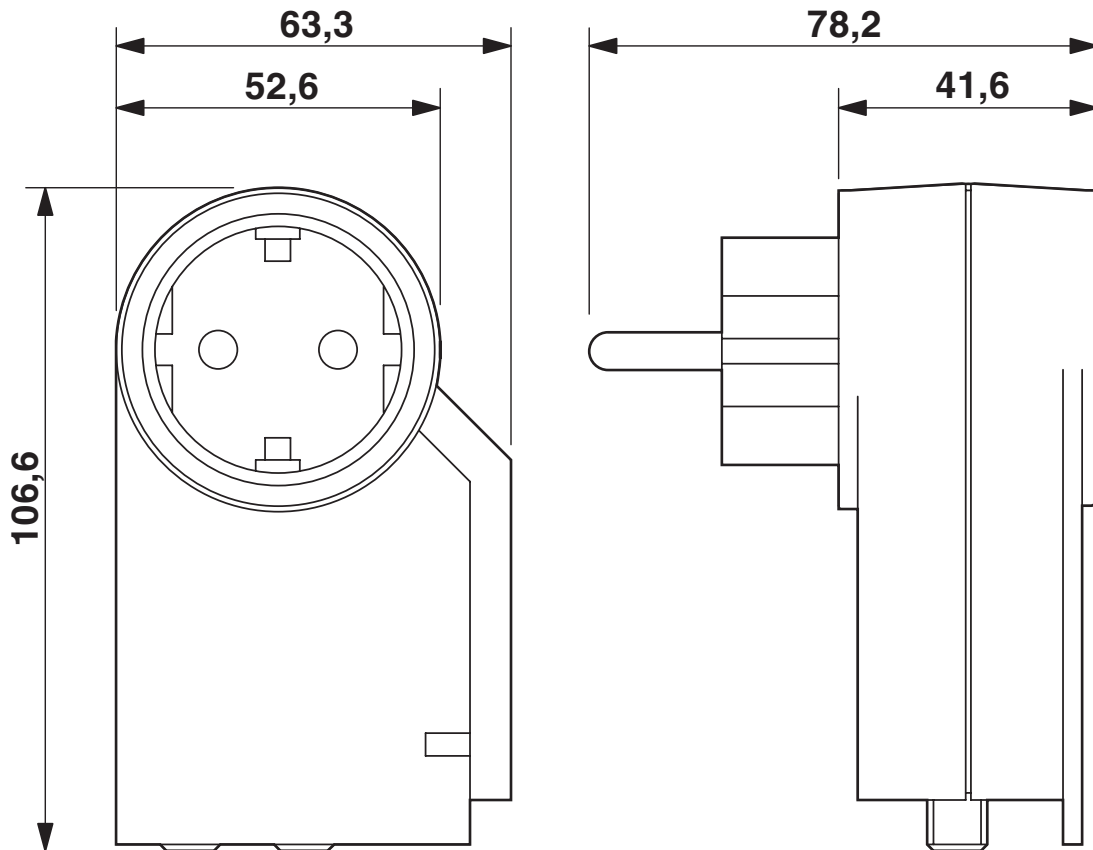


2882297

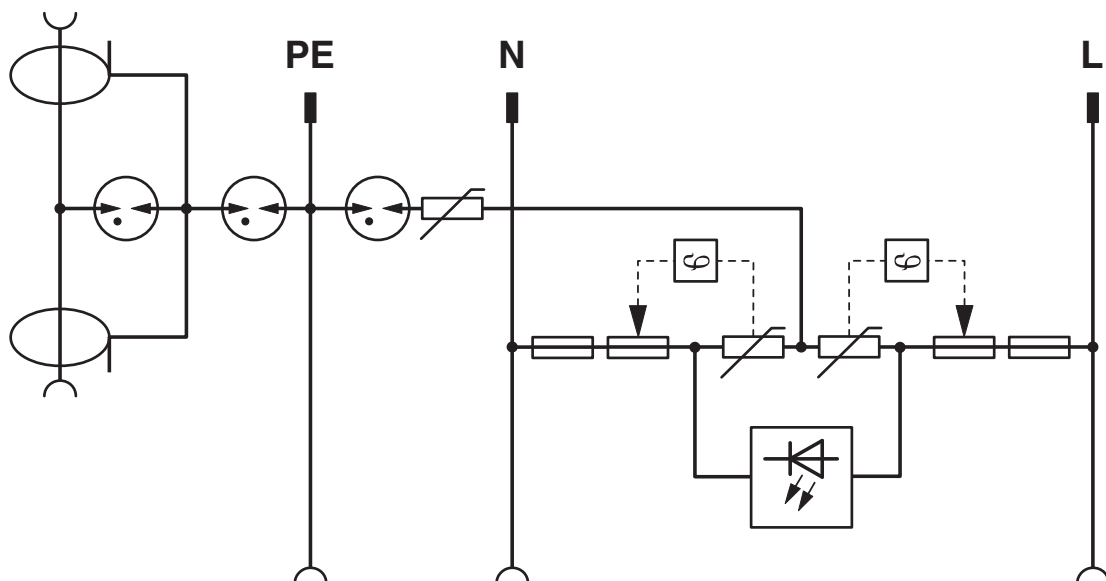
<https://www.phoenixcontact.com/us/products/2882297>

Drawings

Dimensional drawing



Circuit diagram



MNT-TV-SAT D/WH - Type 3 surge protection device



2882297

<https://www.phoenixcontact.com/us/products/2882297>

Classifications

ECLASS

ECLASS-13.0

27171603

ETIM

ETIM 9.0

EC001625

UNSPSC

UNSPSC 21.0

39121600

MNT-TV-SAT D/WH - Type 3 surge protection device



2882297

<https://www.phoenixcontact.com/us/products/2882297>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
SCIP	eade5425-4a7d-4ebd-b61e-fe8d28a4f547

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com