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MNT-1 CH II - Type 3 surge protection device

2882255

https://www.phoenixcontact.com/gb/products/2882255

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Attachment plug with surge protection for mains sockets, optical power and error display. Country-specific version: CH

Commercial data

Item number	2882255
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	CL1421
Product key	CL1421
Catalog page	Page 88 (C-4-2019)
GTIN	4046356143547
Weight per piece (including packing)	113 g
Weight per piece (excluding packing)	97.35 g
Customs tariff number	85363010
Country of origin	DE

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Technical data

Product properties

IEC power supply system	TN
	TT
Type	Attachment plug
Product type	Device protection
Product family	MAINTRAB
For country-specific use in	CH
Surge protection fault message	optical

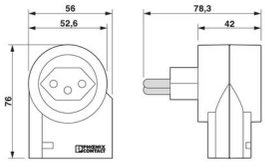
Insulation characteristics

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

Connection data

Connection method	Grounding plug/socket

Dimensions

Dimensional drawing	
Width	56 mm
Height	76 mm
Depth	79 mm

Material specifications

Color	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

Mode of protection	L-N
	L-PE

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	N-PE
Direction of action	L(N)-PE
Nominal voltage U_N	230/400 V AC (TN)
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)
Residual current I_{PE}	≤ 5 µA
Standby power consumption P_C	≤ 1.00 VA
Reference test voltage U_{REF}	255.00 V AC
Combination wave U_{OC}	6 kV
Energy absorption symmetrical	140 J (L-N (L))
Enery absorption, asymmetrical	220 J (L(N)-PE)
Voltage protection level U_p	≤ 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)	≤ 25 ns
Response time t_A (L-PE)	≤ 100 ns
Response time t_A (N-PE)	≤ 100 ns
Max. required back-up fuse	16 A (gG / B / C)
Short-circuit current rating I_{SCCR}	1.5 kA AC

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	≤ 2000 m (amsl)
Permissible humidity (operation)	5 % ... 95 %

Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN 60664-1 / IEC 60664-1 / IEC 61643-1 / EN 61643-11
Standards/specifications	IEC 61643-11
Note	2011
Standards/specifications	EN 61643-11
Note	2012

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Mounting

Mounting type	Plugging into the mains socket

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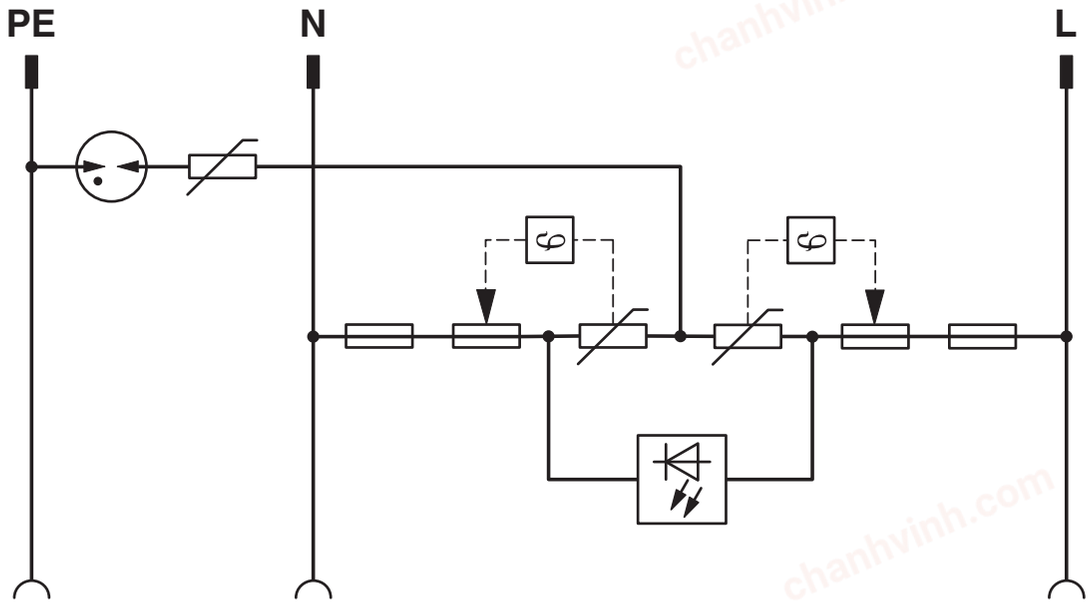
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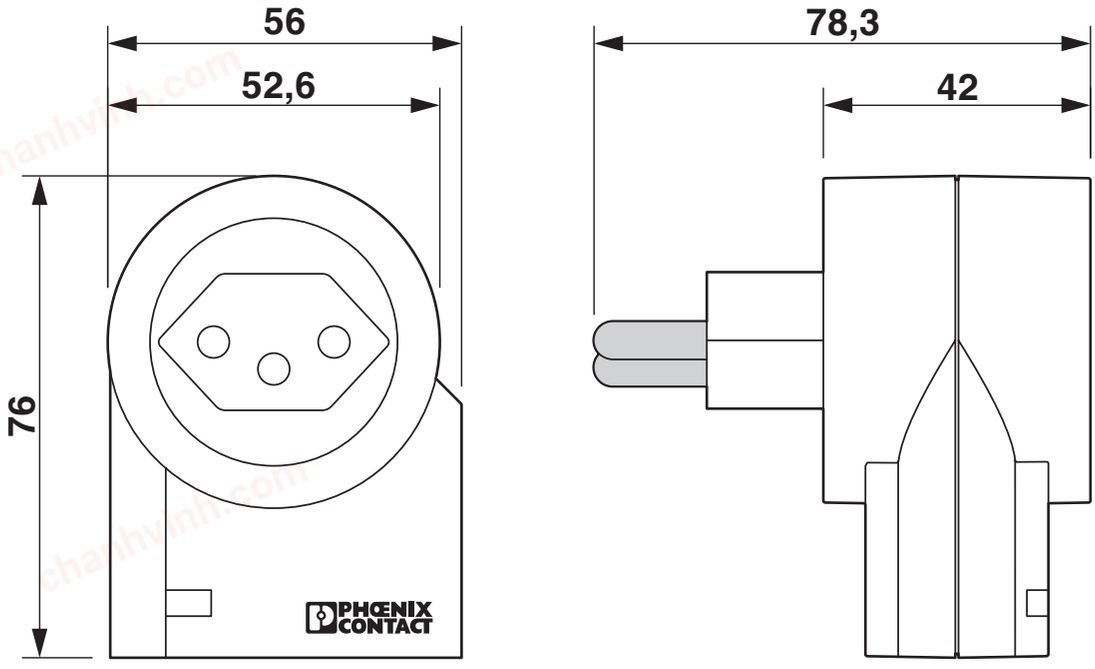
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Drawings

Circuit diagram



Dimensional drawing



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2882255

EAC
Approval ID: RU C-DE.*09.B.00169

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Classifications

ECLASS

ECLASS-11.0	27130806
ECLASS-13.0	27171203

ETIM

ETIM 9.0	EC000942

UNSPSC

UNSPSC 21.0	39121620

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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk