



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

Type 3 surge protection device - MNT-1 D - 2882200

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Attachment plug with surge protection for mains sockets, optical power and fault display. For country-specific use in: D, A, I, NL, S, E, N, FIN

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 073554

Technical data

Dimensions

Height	76 mm
Width	56 mm
Depth	78 mm

Ambient conditions

Ambient temperature (storage/transport)	-25 °C ... 75 °C
Ambient temperature (operation)	-25 °C ... 75 °C

General

Housing material	PA 6
Flammability rating according to UL 94	V-0
Color	jet black RAL 9005
Standards for clearances and creepage distances	EN 60664-1
	IEC 60664-1
	IEC 61643-1
	EN 61643-11
Type	Attachment plug
Mounting type	Plugging into the mains socket
For country-specific use in	D, A, NL, E, S, FIN, TR
Direction of action	L(N)-PE

Protective circuit

IEC test classification	III
	T3

Type 3 surge protection device - MNT-1 D - 2882200

Technical data

Protective circuit

EN type	T3
Nominal voltage U_N	230 V AC
Arrester rated voltage U_C (L-N)	275 V AC
Arrester rated voltage U_C (L-PE)	360 V AC
Arrester rated voltage U_C (N-PE)	360 V AC
Nominal frequency f_N	50 Hz (60 Hz)
Standby power consumption P_C	≤ 1 VA
Residual current I_{PE}	≤ 5 μ A
Nominal discharge current I_n (8/20) μ s	3 kA (> 5x)
Combination wave U_{OC}	4 kV
Energy absorption symmetrical	140 J (L-N (L))
Energy absorption, asymmetrical	220 J (L(N)-PE)
Voltage protection level U_p (L-N)	≤ 1.2 kV
Voltage protection level U_p (L-PE)	≤ 1.5 kV
Voltage protection level U_p (N-PE)	≤ 1.5 kV
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)
Surge protection fault message	optical

Non-heating apparatus connection, power supply

Connection method	Grounding plug/socket
Connection type IN	Grounding plug
Connection type OUT	Grounding socket

Standards and Regulations

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012

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	27130806
eCl@ss 7.0	27130806
eCl@ss 8.0	27130806
eCl@ss 9.0	27130806

Type 3 surge protection device - MNT-1 D - 2882200

Classifications

ETIM

ETIM 2.0	EC000942
ETIM 3.0	EC000942
ETIM 4.0	EC000942
ETIM 5.0	EC000942

UNSPSC

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

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approvals submitted

Approval details

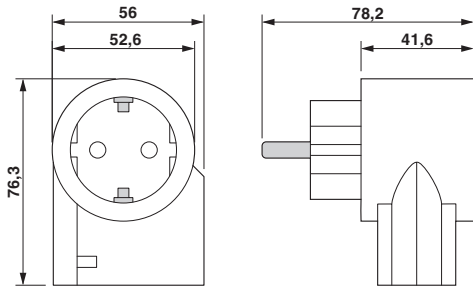
EAC

EAC

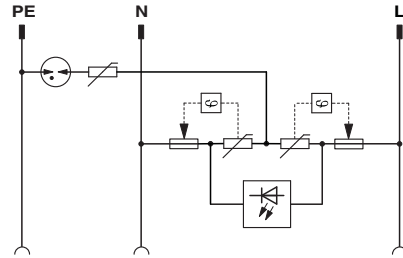
Drawings

Type 3 surge protection device - MNT-1 D - 2882200

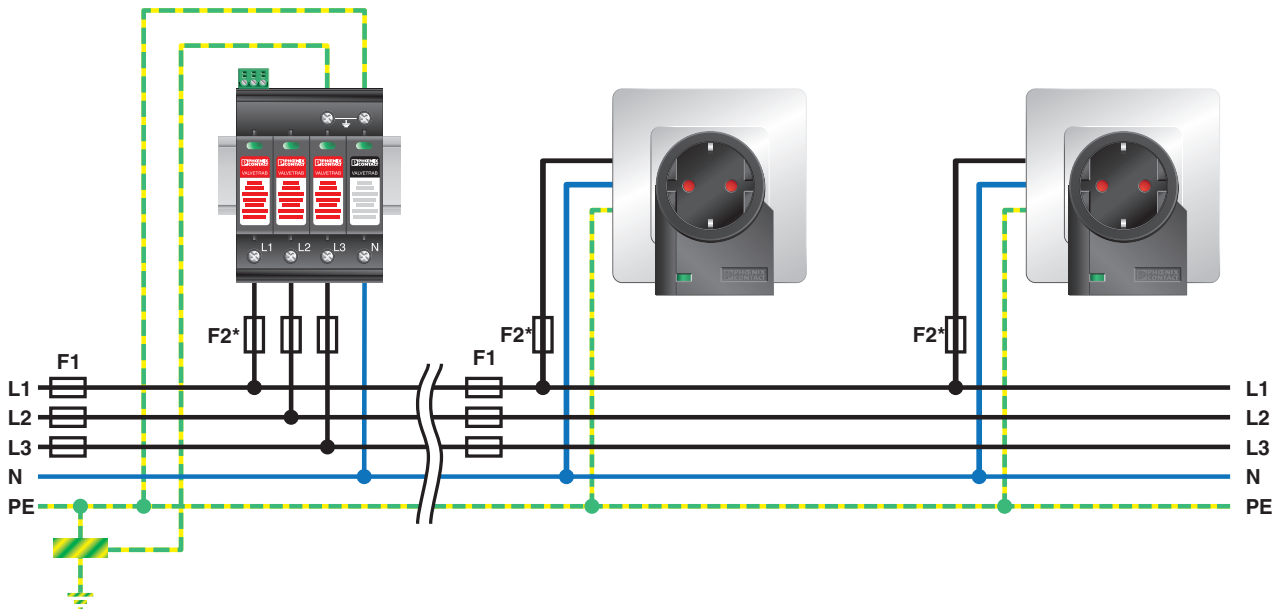
Dimensional drawing



Circuit diagram

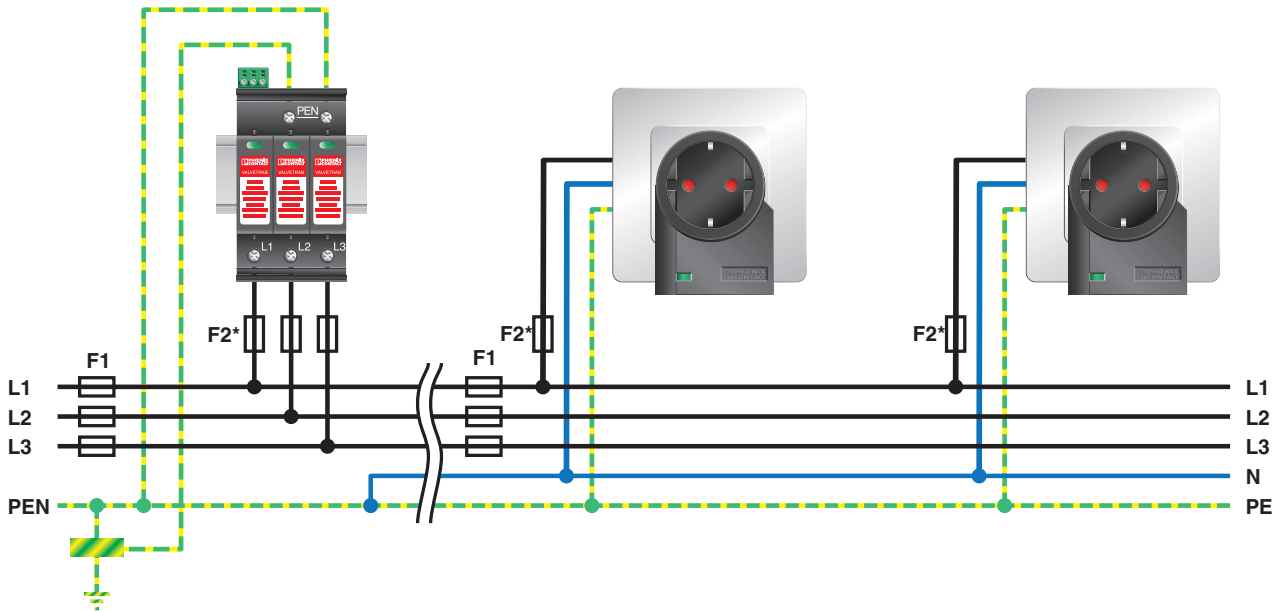


Application drawing



Type 3 surge protection device - MNT-1 D - 2882200

Application drawing



Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button](#).

Product	Code	Reference	Product link
Attachment plug with surge protection for mains sockets, optical power and fault display. For country-specific use in: D, A, I, NL, S, E, N, FIN	2882200	MNT-1 D	Buy on EAN