

F-MS-EE-T2-40-P - Type 2 surge protection plug



2910572

<https://www.phoenixcontact.com/in/products/2910572>

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.

Surge protection plug type 2, with N-PE total current spark gap for base element.



Commercial data

Item number	2910572
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	CL1
Product key	CL1327
GTIN	4055626462387
Weight per piece (including packing)	40.49 g
Weight per piece (excluding packing)	30.5 g
Customs tariff number	85363030
Country of origin	CN

F-MS-EE-T2-40-P - Type 2 surge protection plug

2910572

<https://www.phoenixcontact.com/in/products/2910572>

Technical data

Product properties

IEC test classification	II
	T2
EN type	T2
IEC power supply system	TN
	TT
Type	Male
Product type	Replacement plug
Product family	VALVETRAB MS
Number of positions	1
Surge protection fault message	optical

Insulation characteristics

Overvoltage category	III
Pollution degree	2

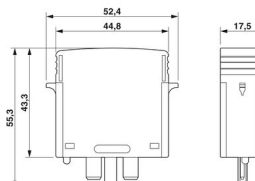
Electrical properties

Nominal frequency f_N	50 Hz (60 Hz)
-------------------------	---------------

Connection data

Connection method	VALVETRAB plug-in system
-------------------	--------------------------

Dimensions

Dimensional drawing	
Width	17.5 mm
Height	52.4 mm
Depth	55.3 mm
Horizontal pitch	1 Div.

Material specifications

Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6
Material group	I
Housing material	PA 6.6

Protective circuit

F-MS-EE-T2-40-P - Type 2 surge protection plug



2910572

<https://www.phoenixcontact.com/in/products/2910572>

Mode of protection	N-PE
Direction of action	N-PE
Nominal voltage U_N	240/415 V AC (TN - only N-PE) 240/415 V AC (TT - only N-PE)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	260 V AC
Residual current I_{PE}	$\leq 5 \mu\text{A}$
Standby power consumption P_C	$\leq 1.5 \text{ mVA}$
Nominal discharge current I_n (8/20) μs	20 kA
Maximum discharge current I_{max} (8/20) μs	40 kA
Follow current interrupt rating I_{fi}	100 A (260 V)
Voltage protection level U_p	$\leq 1.5 \text{ kV}$
Residual voltage U_{res}	$\leq 0.4 \text{ kV}$ (at I_n) $\leq 0.25 \text{ kV}$ (at 10 kA) $\leq 0.15 \text{ kV}$ (at 5 kA) $\leq 0.1 \text{ kV}$ (at 3 kA)
Front of wave sparkover voltage at 6 kV (1.2/50) μs	$\leq 1.5 \text{ kV}$
TOV behavior at U_T	1200 V AC (200 ms / withstand mode)
Response time t_A	$\leq 100 \text{ ns}$

Additional technical data

Maximum continuous voltage U_C	305 V AC
----------------------------------	----------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	$\leq 2000 \text{ m}$ (amsl)
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	25g (Half-sine / 11 ms / 3x $\pm X$, $\pm Y$, $\pm Z$)
Vibration (operation)	5g (10 ... 500 Hz / 2.5 h / X, Y, Z)

Standards and regulations

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

Mounting

Mounting type	on base element
---------------	-----------------

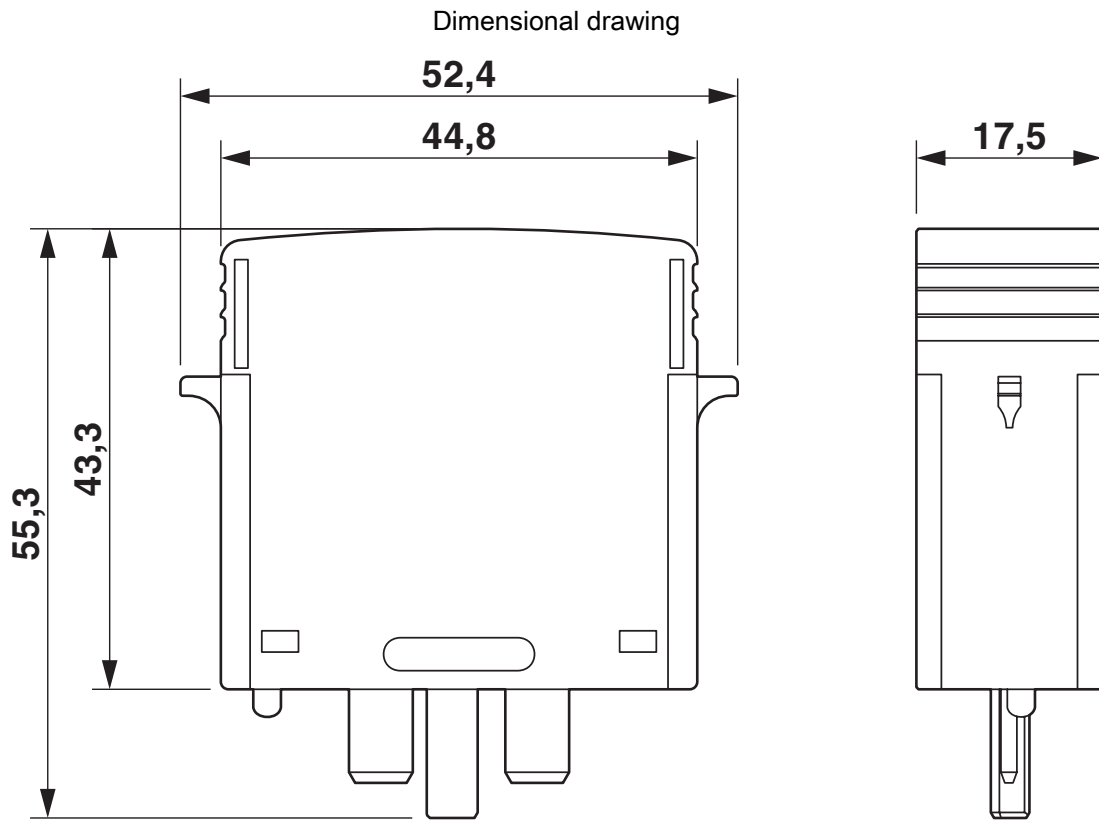
F-MS-EE-T2-40-P - Type 2 surge protection plug

2910572

<https://www.phoenixcontact.com/in/products/2910572>



Drawings



Circuit diagram



F-MS-EE-T2-40-P - Type 2 surge protection plug



2910572

<https://www.phoenixcontact.com/in/products/2910572>

Classifications

ECLASS

ECLASS-11.0	27130890
ECLASS-13.0	27171292

ETIM

ETIM 8.0	EC002496
----------	----------

UNSPSC

UNSPSC 21.0	39121620
-------------	----------

F-MS-EE-T2-40-P - Type 2 surge protection plug



2910572

<https://www.phoenixcontact.com/in/products/2910572>

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

F-MS-EE-T2-40-P - Type 2 surge protection plug

2910572

<https://www.phoenixcontact.com/in/products/2910572>

Accessories

ZBN 18,LGS:ERDE - Marker for terminal blocks

2749589

<https://www.phoenixcontact.com/in/products/2749589>

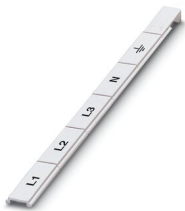


Marker for terminal blocks, Strip, white, labeled, horizontal: Grounding symbol, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

ZBN 18,LGS:L1-N,ERDE - Marker for terminal blocks

2749576

<https://www.phoenixcontact.com/in/products/2749576>



Marker for terminal blocks, Strip, white, labeled, horizontal: L1, L2, L3, N, GND, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

F-MS-EE-T2-40-P - Type 2 surge protection plug

2910572

<https://www.phoenixcontact.com/in/products/2910572>



ZBN 18:UNBEDRUCKT - Zack marker strip

2809128

<https://www.phoenixcontact.com/in/products/2809128>



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

VAL-MS-EE-T2-BE-FM - Type 2 surge protection base element

2910573

<https://www.phoenixcontact.com/in/products/2910573>



Base element for type 2 arresters of the VALVETRAB MS series of products, with remote indication contact. Design: 1-channel

F-MS-EE-T2-40-P - Type 2 surge protection plug

2910572

<https://www.phoenixcontact.com/in/products/2910572>



B-STIFT - Marker pen

1051993

<https://www.phoenixcontact.com/in/products/1051993>



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in