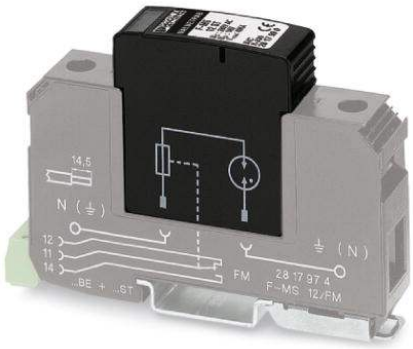
Extract from the online catalog

F-MS 12-UD ST

Order No.: 2858328

Illustration shows the F-MS 12 ST version



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

Commercial data	
GTIN (EAN)	4 017918 878078
Note	Made-to-order
sales group	J022
Pack	10 pcs.
Customs tariff	85363010

Product notes

WEEE/RoHS-compliant since: 02/16/2006

http://www.download.phoenixcontact.com
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Standards

Housing material	PA
Inflammability class acc. to UL 94	V0
Color	black
Standards for air and creepage distances	EN 60664-1
	EN 61643-11

Degree of protection	IP20
Mounting type	On base element
Design	DIN rail module, two-section, divisible
Ambient temperature (operation)	-40 °C ... 80 °C
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.10
Message: Surge protection fault	Optical
Direction of action	N-PE
Width	17.70 mm
Height	54.50 mm
Length	52.40 mm
Pitch unit	1 Div.

Protective circuit

IEC category	II
	T2
EN type	T2
Nominal voltage U_N	230 V AC
Nominal DC sparkover voltage U_{agn}	500 V ±20 %
Arrester rated voltage U_C	260 V AC
Arrester rated voltage U_C (N-PE)	260 V AC
U_T (TOV-proof)	1200 V AC (200 ms / N-PE)
Nominal frequency f_N	50 Hz
	60 Hz
Ground conductor current I_{PE}	≤ 1 µA
Standby power consumption P_C	0.3 mVA
Max. discharge surge current Imax (8/20) µs	40 kA
Max. discharge surge current Imax (8/20) µs maximum (N-PE)	40 kA
Nominal discharge surge current I_n (8/20) µs	20 kA
Nominal discharge surge current I_n (8/20) µs (N-PE)	20 kA
Lightning test current (10/350) µs, charge	6 As
Lightning test current (10/350) µs, peak value I_{imp}	12 kA
Impulse operate voltage at 6 kV (1.2/50)µs (N-PE)	≤ 1.5 kV
Insulation resistance R_{iso}:	> 1 GΩ
Protection level U_p	≤ 1.5 kV

Protection level UP (N-PE)	≤ 1.5 kV
Residual voltage	≤ 150 V (at 5 kA)
Residual voltage (N-PE)	≤ 150 V (at 5 kA)
	≤ 400 V
	≤ 250 V (at 10 kA)
	≤ 100 V (at 3 kA)
Response time	≤ 100 ns
Response time (N-PE)	≤ 100 ns
Follow current quenching capacity If (N-PE)	100 A (260 V)

Connection, protective circuit

Connection type IN	FLASHTRAB/VALVETRAB plug-in system
Connection type OUT	FLASHTRAB/VALVETRAB plug-in system

Standards

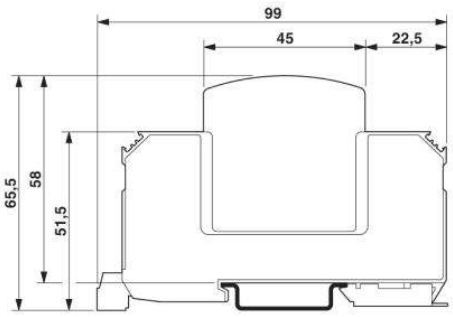
Standards/regulations	IEC 61643-1 2005
	DIN EN 61643-11 2002
	DIN EN 61643-11/A11 2007

Certificates / Approvals

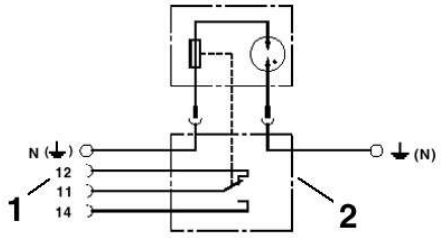
Certification	CUL, GL, GOST, KEMA, UL

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



1 = Remote indicator contact
2 = base element

Address

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