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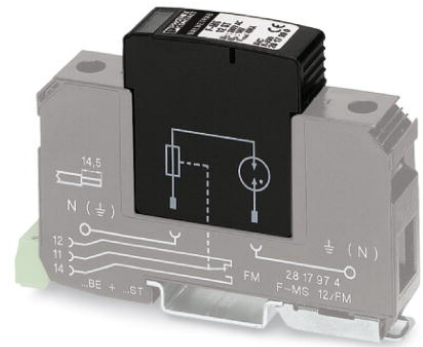
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F-MS 12-UD ST

Order No.: 2858328


Illustration shows the F-MS 12 ST version



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2858328>

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>
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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 \pm 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}	$\leq 1 \mu A$
Standby power consumption P_C	0.3 mVA
Max. discharge surge current I_{max} (8/20) μs	40 kA
Max. discharge surge current I_{max} (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 G Ω
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 I _f (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

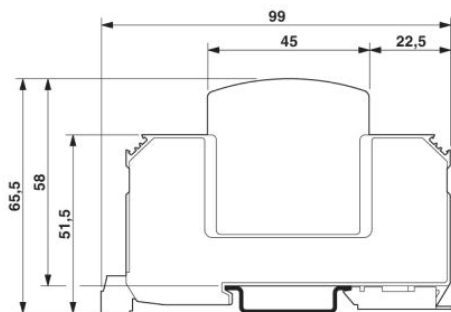


Certification

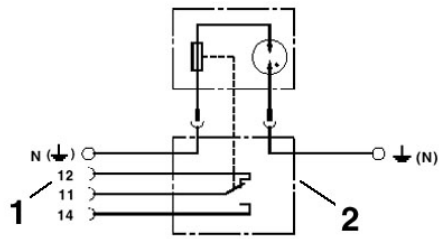
CUL, GL, GOST, KEMA, UL

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



1 = Remote indicator contact
2 = base element

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