

Type 2 surge protection plug - F-MS 30 ST - 2803519

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



Key commercial data

Packing unit	1 pc
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	52.5 mm
Width	17.5 mm
Depth	52 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C

General

Housing material	PA 6.6
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	EN 60664-1
Mounting type	On base element
Type	DIN rail module, two-section, divisible
Number of positions	1

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Technical data

General

Surge protection fault message	Optical
Direction of action	N-PE

Protective circuit

IEC test classification	II
	T2
EN type	T2
Nominal voltage U_N	230 V AC (N-PE)
Maximum continuous operating voltage U_C	260 V AC
Maximum continuous operating voltage U_C (N-PE)	260 V AC
U_T (TOV-safe)	1200 V AC (200 ms / N-PE)
Nominal frequency f_N	50 Hz (60 Hz)
Residual current I_{PE}	$\leq 3 \mu A$
Standby power consumption P_C	$\leq 1 \text{ mVA}$
Max. discharge current I_{max} (8/20) μs	30 kA
Max. discharge current I_{max} (8/20) μs maximum (N-PE)	30 kA
Nominal discharge current I_n (8/20) μs	20 kA
Nominal discharge current I_n (8/20) μs (N-PE)	20 kA
Front of wave sparkover voltage at 6 kV (1.2/50) μs	$\leq 1.5 \text{ kV}$
Front of wave sparkover voltage at 6 kV (1.2/50) μs (N-PE)	$\leq 1.5 \text{ kV}$
Insulation resistance R_{iso}	$> 1 \text{ G}\Omega$
Voltage protection level U_p	$\leq 1.5 \text{ kV}$
Voltage protection level U_p (N-PE)	$\leq 1.5 \text{ kV}$
Residual voltage	$\leq 150 \text{ V}$ (at 5 kA)
	$\leq 400 \text{ V}$
	$\leq 250 \text{ V}$ (at 10 kA)
	$\leq 100 \text{ V}$ (at 3 kA)
Residual voltage (N-PE)	$\leq 150 \text{ V}$ (at 5 kA)
	$\leq 400 \text{ V}$
	$\leq 250 \text{ V}$ (at 10 kA)
Response time	$\leq 100 \text{ ns}$
Response time (N-PE)	$\leq 100 \text{ ns}$
Follow current quenching capacity I_f (N-PE)	100 A (260 V AC)

Connection, protective circuit

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

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Technical data

Standards and Regulations

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

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	27130805
eCl@ss 7.0	27130805

ETIM

ETIM 2.0	EC000941
ETIM 3.0	EC000941
ETIM 4.0	EC000941
ETIM 5.0	EC000941

UNSPSC

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

Approvals

Approvals

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KEMA-KEUR / ÖVE / GOST / CCA / IECCEB Scheme

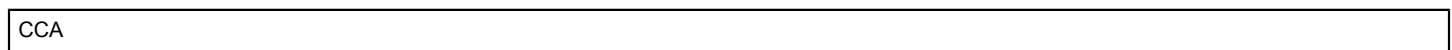
Ex Approvals

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Approvals

Approvals submitted

Approval details



Drawings

Circuit diagram

