

Type 2 surge protection plug - VAL-MS 350/20 ST - 2803506

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Type 2 surge protection plug with a varistor for VAL-MS base element, thermal monitoring, visual fault warning.



Key commercial data

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

Technical data

Dimensions

Height	52.4 mm
Width	17.7 mm
Depth	54.5 mm
Horizontal pitch	1 Div.

Ambient conditions

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

General

Housing material	PA
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	EN 60664-1 EN 61643-11
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	1L-N/PE

Protective circuit

IEC test classification	II
	T2
EN type	T2
Nominal voltage U_N	240 V AC
Maximum continuous operating voltage U_C	350 V AC
U_T (TOV-proof)	415 V AC (5 s)
Nominal frequency f_N	50 Hz (60 Hz)
Residual current I_{PE}	$\leq 340 \mu A$
Standby power consumption P_C	$\leq 120 \text{ mVA}$
Max. discharge current I_{max} (8/20) μs	20 kA
Nominal discharge current I_n (8/20) μs	10 kA
Voltage protection level U_p	$\leq 1.4 \text{ kV}$
Residual voltage	$\leq 1.4 \text{ kV}$ (at I_n)
	$\leq 1.2 \text{ kV}$ (at 5 kA)
	$\leq 1.1 \text{ kV}$ (at 3 kA)
Response time	$\leq 25 \text{ ns}$
Max. backup fuse with branch wiring	125 A (gL / gG)
Short-circuit resistance I_p with max. backup fuse (effective)	25 kA

Connection, protective circuit

Connection method	FLASHTRAB/VALVETRAB plug-in system connector
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Standards and Regulations

Standards/regulations	IEC 61643-1 2005
	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

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Classifications

eCl@ss

eCl@ss 7.0	27130805
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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

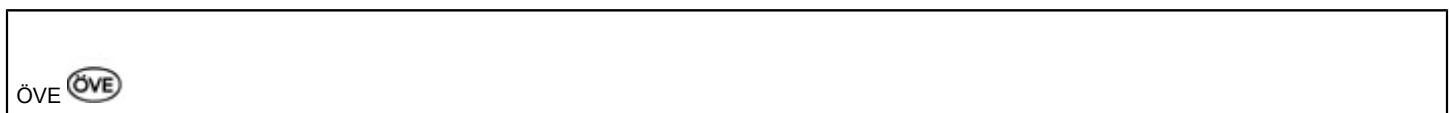
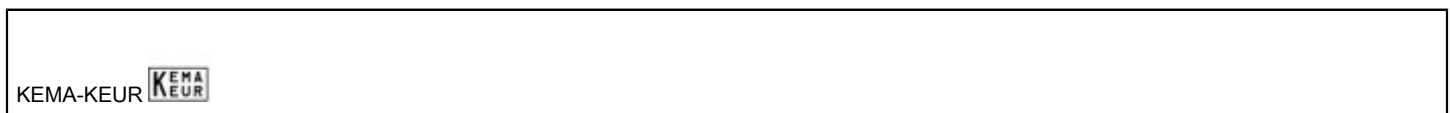
Approvals

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

Ex Approvals

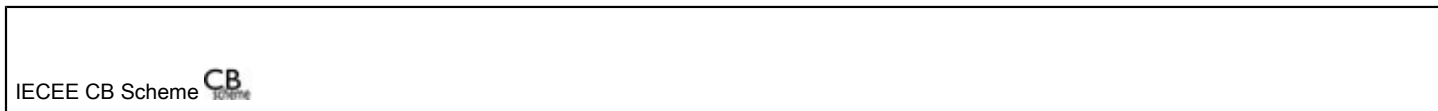
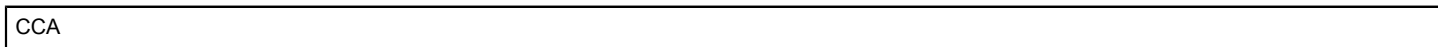
Approvals submitted

Approval details



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Approvals



Drawings

Circuit diagram

