

## 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) $\mu s$	20 kA
Nominal discharge current $I_n$ (8/20) $\mu s$	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

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#### Approvals

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

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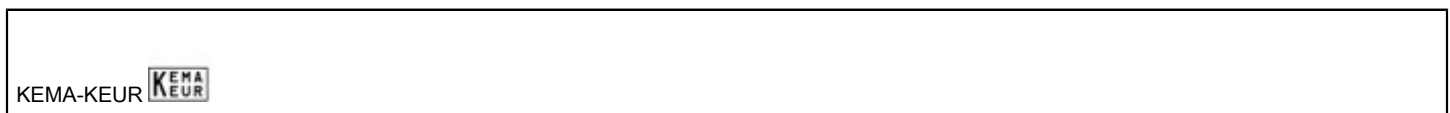
#### Ex Approvals

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#### Approvals submitted

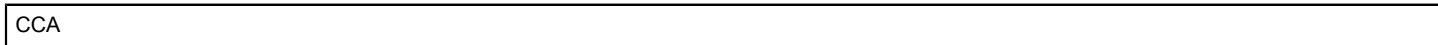
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#### Approval details



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### Approvals



### Drawings

Circuit diagram

