

## Type 1/2 surge protection plug - VAL-MS-T1/T2 75/12.5 ST - 2801146

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Replacement plug for VAL-MS-T1/T2 75/12.5... plug-in lighting/surge arrester.

### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	75.0 GRM
Custom tariff number	85363030
Country of origin	Germany

### Technical data

#### Dimensions

Height	47 mm
Width	17.7 mm
Depth	67.3 mm
Horizontal pitch	1 Div.

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Altitude	≤ 2000 m (NN)

#### General

Housing material	PBT / PA
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	DIN EN 60664-1 EN 61643-11
Mounting type	On base element
Type	Male
Number of positions	1

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## Technical data

### General

Surge protection fault message	Optical
Direction of action	L-N / L-PEN

### Protective circuit

IEC test classification	I / II
	T1 / T2
EN type	T1 / T2
Nominal voltage $U_N$	60 V DC
Maximum continuous operating voltage $U_C$	75 V DC
Maximum continuous operating voltage $U_C$ (L-N)	75 V DC
$U_T$ (TOV-proof)	100 V DC (5 s)
Standby power consumption $P_C$	$\leq 140$ mVA
Max. discharge current $I_{max}$ (8/20) $\mu$ s	50 kA
Nominal discharge current $I_n$ (8/20) $\mu$ s	12.5 kA
Impulse discharge current (10/350) $\mu$ s charge	6.25 As
Impulse discharge current (10/350) $\mu$ s, specific energy	39.00 kJ/ $\Omega$
Impulse discharge current (10/350) $\mu$ s, peak value $I_{imp}$	12.5 kA
Voltage protection level $U_p$	$\leq 0.7$ kV
Residual voltage	$\leq 0.7$ kV
	$\leq 0.65$ kV (at 10 kA)
	$\leq 0.6$ kV (at 5 kA)
	$\leq 0.55$ kV (at 3 kA)
Response time	$\leq 25$ ns
Max. required backup fuse with branch wiring	160 A
Short-circuit resistance $I_P$ with max. backup fuse (effective)	500 A

### Connection, protective circuit

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

### Standards and Regulations

Standards/regulations	IEC 61643-1 2005
	EN 61643-11/A11 2007
	UL 1449 ed. 3

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## 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	27130802
eCl@ss 7.0	27130802
eCl@ss 8.0	27130802

### ETIM

ETIM 3.0	EC000941
ETIM 4.0	EC000381
ETIM 5.0	EC000381

### 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

UL Recognized / cUL Recognized / cULus Recognized

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Ex Approvals

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Approvals submitted

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### Approval details

UL Recognized 
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