

Type 1/2 surge protection plug - VAL-MS-T1/T2 335/12.5 ST - 2800190

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L-N replacement plug for VAL-MS-T1/T2 335/12.5 plug-in lighting/surge arrester.



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	107.34 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

General

IEC power supply system	TN-C
	TN-S
Housing material	PA
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	DIN EN 60664-1
	EN 61643-1

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General

Mounting type	On base element
Type	DIN rail module, two-section, divisible
Number of positions	1
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	240 V AC (230 V AC ... 240 V AC)
Maximum continuous operating voltage U_C	335 V AC
Maximum continuous operating voltage U_C (L-N)	335 V AC
U_T (TOV-proof)	415 V AC (5 s)
Nominal frequency f_N	50 Hz (60 Hz)
Residual current I_{PE}	$\leq 5 \mu A$
Standby power consumption P_C	268 mVA
Max. discharge current I_{max} (8/20) μs	50 kA
Nominal discharge current I_n (8/20) μs	12.5 kA
Impulse discharge current (10/350) μs charge	6.25 As
Impulse discharge current (10/350) μs , specific energy	39 kJ/ Ω
Impulse discharge current (10/350) μs , peak value I_{imp}	12.5 kA
Voltage protection level U_p	≤ 1.2 kV
	≤ 1.6 kV (30 kA - 8/20 μs)
Residual voltage	≤ 1.2 kV (at I_n)
	≤ 1.1 kV (at 10 kA)
	≤ 1 kV (at 5 kA)
	≤ 0.9 kV (at 3 kA)
Response time	≤ 25 ns
Max. backup fuse with branch wiring	160 A (gL/gG)
Short-circuit resistance I_p with max. backup fuse (effective)	25 kA

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
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Standards and Regulations

	EN 61643-11/A11 2007
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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 2.0	EC000941
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

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KEMA-KEUR / GL / UL Recognized / cUL Recognized / ÖVE / cULus Recognized

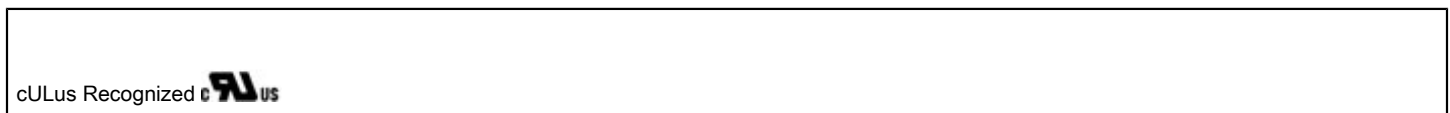
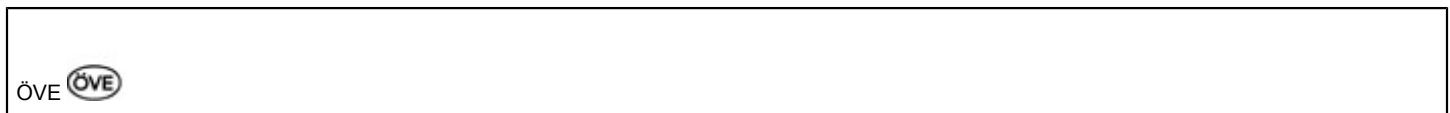
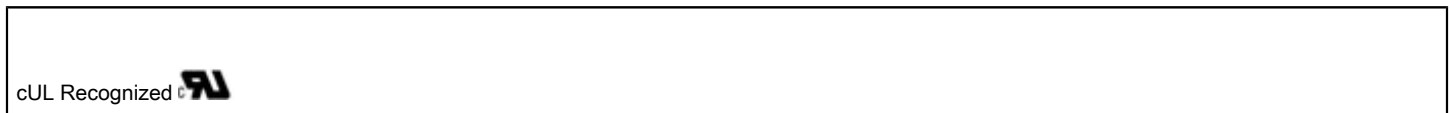
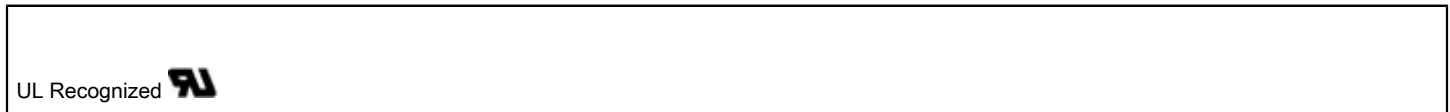
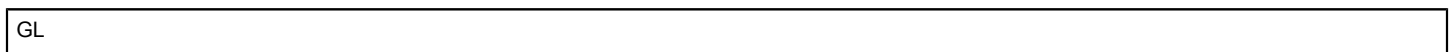
Ex Approvals

Approvals submitted

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Approvals

Approval details



Drawings

Dimensioned drawing

