



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

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

Technical data

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
-----------------------	------------------

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

Technical data

Standards and Regulations

	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	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

Approvals

Approvals

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

Ex Approvals

Approvals submitted


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


Approvals

Approval details

KEMA-KEUR 

GL

UL Recognized 

cUL Recognized 

ÖVE 

cULus Recognized 

Drawings

Dimensioned drawing

