



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 2 surge protection device - VAL-MS 600DC-PV/2+V - 2800642

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Surge arrester for 2-pos. isolated 600 V DC voltage systems, for DIN rail mounting, 3-pos. base element, three plug-in temperature-monitored protective elements, status message on each plug.

Product Features

- ✓ Increased safety, thanks to compliance with standard EN 50539-11
- ✓ Reliable contact, thanks to integrated rotating latch
- ✓ Easy replacement, thanks to plug-in arresters
- ✓ Optimum inverter protection, thanks to low protection level
- ✓ Efficient replacement of defective plugs, thanks to visual status indicator
- ✓ Optimized maintenance planning, thanks to remote signaling
- ✓ Protection against mismatching, thanks to keyed plugs and base elements
- ✓ Always the right arrester, thanks to universal type 1/type 2 protective components



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	320.0 GRM
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	99 mm
Width	53.4 mm
Depth	65.5 mm
Horizontal pitch	3 Div.

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Technical data

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Altitude	≤ 2000 m
Permissible humidity (operation)	5 % ... 95 %

General

Standards/specifications	EN 50539-11
IEC test classification	PV T2
SPD failure behavior	OCM
Mounting type	DIN rail: 35 mm
Housing material	PBT / PA
Pollution degree	2
Inflammability class according to UL 94	V0
Surge protection fault message	Optical

Protective circuit DC voltage side (DC)

Maximum continuous operating voltage U_{CPV}	800 V DC
Open circuit voltage U_{OCSTC}	≤ 670 V DC
Short-circuit current rating I_{SCPV}	300 A
Rated load current I_L	80 A DC
Residual current I_{PE}	≤ 20 µA (DC)
	≤ 300 µA (AC)
Standby power consumption P_C	≤ 20 mVA
Nominal discharge current (8/20) µs	15 kA
Maximum discharge current I_{max} (8/20) µs	40 kA
Total discharge current I_{Total} (8/20) µs	40 kA
Voltage protection level U_p (L+) - (L-)	≤ 2.7 kV
Voltage protection level U_p (L+/L-) - PE	≤ 2.7 kV
Response time t_A	≤ 25 ns
Max. required backup fuse with branch wiring	Not required

Connection data

Connection method	Screw connection
Conductor cross section stranded min.	1.5 mm ²
Conductor cross section stranded max.	25 mm ²
Conductor cross section solid min.	1.5 mm ²
Conductor cross section solid max.	35 mm ²
Screw thread	M5

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Technical data

Connection data

Tightening torque	4.5 Nm
Stripping length	16 mm
Connection method	Biconnect terminal blocks
Conductor cross section stranded min.	1.5 mm ²
Conductor cross section stranded max.	16 mm ²
Screw thread	M6
Tightening torque	30 lb _F -in.

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
eCl@ss 7.0	27130805
eCl@ss 8.0	27130805

ETIM

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

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


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Approvals


Ex Approvals


Approvals submitted

Approval details

UL Recognized 

KEMA-KEUR 

cUL Recognized 

cULus Recognized 

Drawings

Circuit diagram

