

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!



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Replacement plug for PV arrester combinations from the VAL-MS 1000DC-PV-... product range



Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 615099
GTIN	4046356615099

Technical data

Dimensions

Height	52.4 mm
Width	17.5 mm
Depth	55.3 mm
Horizontal pitch	1 Div.

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C 80 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % 95 %
Shock (operation)	60g (Half sine/11 ms/3x #X#Y#Z)
Vibration (operation)	7.5g (5-500 Hz/2.5 h/XYZ)

General

IEC test classification	PV II
	PV T2
EN type	T2
SPD failure behavior	OCM (Open-circuit mode)



Technical data

General

Installation location	Inside
Accessibility	Accessible
Installation location of the disconnect device	Internal
Mounting type	On base element
Color	jet black RAL 9005
Housing material	PA 6.6-FR
Degree of pollution	2
Flammability rating according to UL 94	V-0
Design	Male
Surge protection fault message	optical

Protective circuit DC voltage side (DC)

Maximum continuous operating voltage U _{CPV}	585 V DC
Open circuit voltage U _{OCSTC}	≤ 485 V DC
Short-circuit current rating I _{SCPV}	1000 A
Continuous operating current I _{CPV}	< 20 µA
Standby power consumption P _C	≤ 25 mVA
Nominal discharge current (8/20) µs	15 kA
Maximum discharge current I _{max} (8/20) µs	40 kA
Voltage protection level U _p	≤ 1.9 kV
Residual voltage U _{res}	\leq 1.9 kV (at I_n)
	≤ 1.5 kV (at 5 kA)
	≤ 1.7 kV (at 10 kA)
	≤ 2 kV (at 20 kA)
	≤ 2.3 kV (at 30 kA)
	≤ 2.5 kV (at 40 kA)
Response time t _A	≤ 25 ns
Insulation resistance R _{iso}	> 5 GΩ (at 500 V DC)

UL specifications

SPD Type	4CA
Maximum continuous operating voltage MCOV (L+) - G	1170 V DC
Nominal voltage	970 V DC
Mode of protection	(L+) - G
Power distribution system	1
Measured limiting voltage MLV (L+) - G	1980 V
Nominal discharge current I _n (L+) - G	10 kA

Standards and Regulations

Standards/regulations	EN 50539-11 2013

Environmental Product Compliance

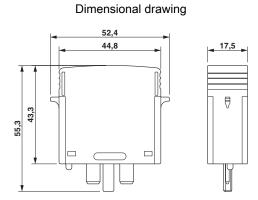


Technical data

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings



Circuit diagram



Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

UL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 330181

KEMA-KEUR http://www.dekra-certification.com 2171492.01

cUL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 330181



Approvals

EAC RU C-DE.A*30.B01561

cULus Recognized



http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

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