

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









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)



Surge protection plug type 2 with series connection consisting of varistor and gas-filled spark gap for VAL-MS base element, thermal monitoring, visual fault warning.



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	34.0 GRM
Custom tariff number	85363030
Country of origin	Germany

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)	25g
Vibration (operation)	5g

General

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012



Technical data

General

IEC test classification	II
	T2
EN type	T2
SPD design	Combination type
Mode of protection	L-PE
Mounting type	On base element
Color	black
Housing material	PA 6.6
Pollution degree	2
Inflammability class according to UL 94	V-0
Туре	DIN rail module, two-section, divisible
Number of positions	1
Surge protection fault message	Optical

Additional descriptions

Note	The values specified for the L-L protective path are only valid in connection with VAL-MS/2+0-BE/FM/S2
------	--

Protective circuit

Nominal voltage U _N	5 V AC 48 V AC
Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous operating voltage U _C	75 V AC
	100 V DC
Residual current I _{PE}	≤ 5 μA
Standby power consumption P _C	≤ 1 mVA
Nominal discharge current I _n (8/20) μs	10 kA
Nominal discharge current I _n (8/20) μs (L-L)	10 kA
Maximum discharge current I _{max} (8/20) μs	20 kA
Maximum discharge current I _{max} (8/20) µs (L-L)	20 kA
Short-circuit current rating I _{SCCR}	10 kA
Voltage protection level U _p	≤ 1.4 kV
Voltage protection level U _p (L-L)	≤ 1.8 kV
Residual voltage U _{res}	≤ 0.45 kV (at I _n)
	≤ 0.35 kV (at 5 kA)
	≤ 0.3 kV (at 3 kA)
Residual voltage U _{res} (L-L)	\leq 0.9 kV (at I _n)
	≤ 0.7 kV (at 5 kA)
	≤ 0.6 kV (at 3 kA)



Technical data

Protective circuit

Front of wave sparkover voltage at 6 kV (1.2/50) µs	≤ 1.4 kV
Front of wave sparkover voltage at 6 kV (1.2/50) µs (L-L)	≤ 1.8 kV
Response time t _A	≤ 100 ns
Response time t _A (L-L)	≤ 100 ns
Max. backup fuse with branch wiring	63 A AC (gG)

Connection data

	Connection method	VALVETRAB plug-in system
- 1	Connection method	VALVETRAD plug-in system

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 2.0	EC000941
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

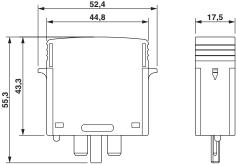
Approvals



Approvals

Approvals	
GOST / UL Recognized / cUL Recognized / cULus Recognized	zed
Ex Approvals	
Approvals submitted	
Approval details	
GOST 🚭	
UL Recognized \$\)	
cUL Recognized	
cULus Recognized e Sus	
Drawings	
Circuit diagram	Dimensioned drawing
, B.	52,4 44,8







Phoenix Contact 2014 © - all rights reserved http://www.phoenixcontact.com