

Type 2 surge protection plug - VAL-CP-350-ST - 2859602


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Replacement plug for VAL-CP surge protective device with high-capacity varistor with a low leakage current.



Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 956509
GTIN	4017918956509

Technical data

Dimensions

Height	46.4 mm
Width	11.7 mm
Depth	56.4 mm
Horizontal pitch	0.6 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)	30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 ... 500 Hz / 2.5 h / X, Y, Z)

General

IEC test classification	II
	T2
EN type	T2

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Technical data

General

IEC power supply system	TN
	TT
Mode of protection	L-N
	L-PEN
Mounting type	on base element
Color	gray/blue
Housing material	PBT-FR
Degree of pollution	2
Flammability rating according to UL 94	V-0
Type	DIN rail module, two-section, divisible
Number of positions	1
Surge protection fault message	optical

Protective circuit

Nominal voltage U_N	240 V AC (TN)
	240 V AC (TT)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	350 V AC
Nominal discharge current I_n (8/20) μ s	20 kA
Maximum discharge current I_{max} (8/20) μ s	40 kA
Short-circuit current rating I_{SCCR}	25 kA
Voltage protection level U_p	≤ 1.5 kV
Residual voltage U_{res}	≤ 1.5 kV (at I_n)
	≤ 1.3 kV (at 10 kA)
	≤ 1.2 kV (at 5 kA)
	≤ 1.1 kV (at 4 kA)
	≤ 1 kV (at 2 kA)
TOV behavior at U_T	415 V AC (5 s / withstand mode)
	440 V AC (120 min / safe failure mode)
Response time t_A	≤ 25 ns
Max. backup fuse with branch wiring	315 A (gG)

Connection data

Connection method	VALVETRAB plug-in system
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UL specifications

SPD Type	4CA
Maximum continuous operating voltage MCOV (L-N)	350 V AC
Nom. voltage	277 V AC
Mode of protection	L-N
Power distribution system	Single phase
Nominal frequency	50/60 Hz

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Technical data

UL specifications

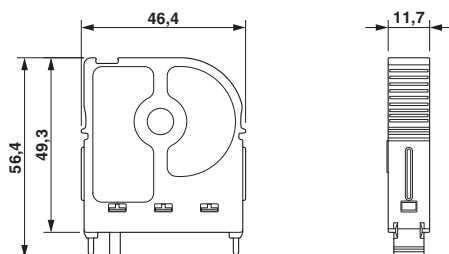
Measured limiting voltage MLV (L-N)	2000 V
Nominal discharge current I _n (L-N)	20 kA

Environmental Product Compliance

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

Drawings

Dimensional drawing



Circuit diagram



Approvals

Approvals

Approvals

GL / CCA / UL Recognized / KEMA-KEUR / cUL Recognized / IECCE CB Scheme / EAC / EAC / cULus Recognized

Ex Approvals

Approval details







GL		http://exchange.dnv.com/tari/	94387-10 HH
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CCA			NTR-NL 7221
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330181
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Approvals

KEMA-KEUR		http://www.dekra-certification.com	2161502.01
cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330181
IECEE CB Scheme		http://www.iecee.org/	NL-29957
EAC			EAC-Zulassung
EAC			RU C- DE.A*30.B01561
cULus Recognized			

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