

2909969

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Replacement plug for surge arresters from the VALVETRAB SEC product range for L-N and L-PEN paths.

Your advantages

- · Surge protection family for universal use with optimum energy coordination from the lightning current arrester to the device protection
- · Easy to maintain due to consistently pluggable protection modules
- · Excellent level of information provided by mechanical/visual status indicator and remote indication contact
- More space in the control cabinet due to the narrow overall width of just 12 mm per position and use without separate backup fuse up to 315 A gG
- · Low voltage protection level at high nominal voltage for optimum protection of the subsequent installation
- · Extremely narrow design, just 12 mm per position
- · Varistor arrester with a low leakage current

Commercial data

Item number	2909969
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	NULL
Product key	CL1351
GTIN	4055626409061
Weight per piece (including packing)	66.62 g
Weight per piece (excluding packing)	63.42 g
Customs tariff number	85363090
Country of origin	DE



2909969

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Technical data

Notes

Car	nera
OCI	ıcıa

Note	Usable in all low-voltage systems between L-N or L-PEN. Only usable in IT Systems between L-PE, if the exposed-conductive-parts (bodies) of the equipment of the low-voltage installation is connected to the earthing arrangement of the transformer substation. (interconnected earthing arrangement of the HV-transformer substation with the bodies of the LV-installation. $R_{\rm E}$ = $R_{\rm A}$ accordance to IEC 60364-4-442 / VDE 0100-442 Fig. 44D / Example a)
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Product properties

Product type	Replacement plug	
Product family	SEC Family	
IEC test classification	II	
	T2	
EN type	T2	
IEC power supply system	TN	
	TT	
	IT	
Туре	Male	
Number of positions	1	
Surge protection fault message	optical	
Insulation characteristics		
Overvoltage category	III	
Pollution degree	2	

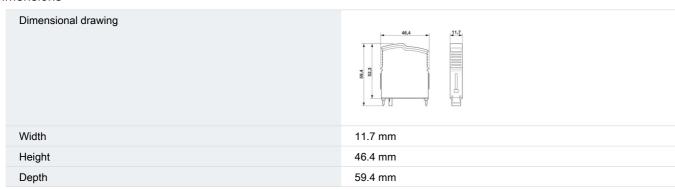
Electrical properties

Nominal frequency f _N	50 Hz (60 Hz)

Connection data

Connection method	pluggable	
Connection method	pluggable	

Dimensions





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Permissible humidity (operation)

Horizontal pitch	0.6 Div.
Material specifications	
Color	light gray (RAL 7035)
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA6.6-FR 20% GF
	PBT-FR
Material group	1
Housing material	PA 6.6-FR 20 % GF
	PBT-FR
Protective circuit	
Mode of protection	L-N
	L-PEN
Direction of action	L-N / L-PEN
Nominal voltage U _N	400 V AC (TN)
	400 V AC (TT)
	400 V AC (IT)
Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous operating voltage U _C	440 V AC
Standby power consumption P _C	≤ 180 mVA
Nominal discharge current I _n (8/20) μs	20 kA
Maximum discharge current I _{max} (8/20) μs	40 kA
Short-circuit current rating I _{SCCR}	25 kA (for a backup fuse of up to 315 A gG)
	50 kA (for a backup fuse of up to 200 A gG)
Voltage protection level U _p	≤ 1.9 kV
Residual voltage U _{res}	≤ 1.9 kV (at I _n)
	≤ 1.65 kV (at 10 kA)
	≤ 1.5 kV (at 5 kA)
	≤ 1.45 kV (at 4 kA)
	≤ 1.35 kV (at 2 kA)
TOV behavior at U _T	581 V AC (5 s / withstand mode)
	762 V AC (120 min / safe failure mode)
Response time t _A	≤ 25 ns
Max. backup fuse with branch wiring	315 A (gG)
Environmental and real-life conditions	
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)

5 % ... 95 %



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	Shock (operation)	30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
	Vibration (operation)	5g (10 500 Hz / 2.5 h / X, Y, Z)
Sta	andards and regulations	
	Standards/specifications	IEC 61643-11
	Note	2011
	Standards/specifications	EN 61643-11
	Note	2012
Mc	punting	
	Mounting type	on base element

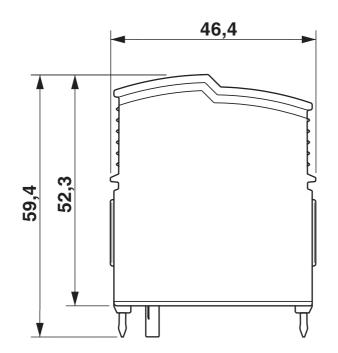


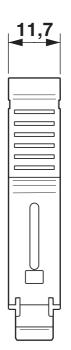
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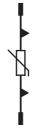
Drawings

Dimensional drawing





Circuit diagram





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Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2909969

UAE-RoHS

Approval ID: 23-10-88707



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Classifications

ECLASS

	ECLASS-13.0	27171292	
	ECLASS-15.0	27171292	
ET	ETIM		
	ETIM 9.0	EC002496	
UN	ISPSC		

UNSPSC 21.0 39121600



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Environmental product compliance

EU RoHS

otions
substances above the limits
above 0.1 wt%
: 6

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