



Extract from the online catalog

VAL-CP-175-ST

Order No.: 2859628



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2859628>

Type 2 arrester replacement plug (surge arrester) with high-capacity varistor with low leakage current.



Commercial data	
EAN	4046356045506
Pack	10 pcs.
Customs tariff	85369010
Weight/Piece	0.04334 KG
Catalog page information	Page 30 (TT-2007)

Product notes

WEEE/RoHS-compliant since:
12/17/2007



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Technical data

Standards	
Housing material	PBT
Inflammability class acc. to UL 94	V0
Color	gray

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Standards for air and creepage distances	DIN VDE 0110-1
	IEC 60664-1: 1992-10
	IEC 61643-11
	UL 1449
	IEEE C62.1
	IEEE C62.45
	IEC 61643-1
Surge voltage category	III
Pollution degree	2
Degree of protection	IP20
Mounting type	On base element
Design	DIN rail module, two-section, divisible
Number of positions	1
Ambient temperature (operation)	-40 °C ... 80 °C
Message surge protection faulty	Optical
Direction of action	L-N / L-PEN
Protective circuit	
IEC category	II
	T2
EN type	T2
Nominal voltage U_N	120 V AC
Arrester rated voltage U_C	175 V AC
Nominal frequency f_N	50 Hz
	60 Hz
Discharge current to PE at U_C	$\leq 300 \mu\text{A}$
Max. discharge surge current $I_{\text{max}} (8/20) \mu\text{s}$	40 kA
Nominal discharge surge current $I_n (8/20) \mu\text{s}$	20 kA
Protection level U_p	$\leq 850 \text{ V (at } I_n)$
Residual voltage	$\leq 700 \text{ V (at } 10 \text{ kA)}$
	$\leq 600 \text{ V (at } 5 \text{ kA)}$
	$\leq 550 \text{ V (at } 3 \text{ kA)}$
	$\leq 850 \text{ V}$
SVR clamp voltage	$\leq 500 \text{ V (UL 1449)}$
Response time	$\leq 25 \text{ ns}$
Max. required backup fuse with branch wiring	125 A (gL/gG)

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Short circuit resistance I_{CC} with max. backup fuse (effective)	25 kA
Connection, protective circuit	
Connection type IN	FLASHTRAB/VALVETRAB plug-in system
Connection type OUT	FLASHTRAB/VALVETRAB plug-in system
Environmental conditions	
Standards/regulations	IEC 61643-1
	EN 61643-11
	UL 1449
	IEEE C62.1
	IEEE C62.34
	IEEE C62.45

Certificates / Approvals



Certification

CB, CUL, GOST, KEMA, UL

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