

VAL-CP-175-ST

Order No.: 2859628

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



Commercial data

GTIN (EAN)	4046356045506
Note	Made-to-order
sales group	J020
Pack	10 pcs.
Customs tariff	85369010
Weight/Piece	0.04334 KG
Catalog page information	Page 26 (TT-2009)

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

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
U_T (TOV-proof)	240 V AC (5 sec.)
Nominal frequency f_N	50 Hz
	60 Hz
Discharge current to PE at U_C	$\leq 300 \mu A$
Standby power consumption P_C	$\leq 17.5 \text{ mW}$
Max. discharge surge current $I_{\max}$ (8/20) μs	40 kA
Nominal discharge surge current I_n (8/20) μs	20 kA
Protection level U_p	$\leq 850 \text{ V}$ (at I_n)
Residual voltage	$\leq 700 \text{ V}$ (at 10 kA)
	$\leq 600 \text{ V}$ (at 5 kA)
	$\leq 550 \text{ V}$ (at 3 kA)
	$\leq 850 \text{ V}$
SVR clamp voltage	$\leq 500 \text{ V}$ (UL 1449)

Response time	≤ 25 ns
Max. required backup fuse with branch wiring	125 A (gL/gG)
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

CUL, GOST, KEMA, UL

Accessories

Item	Designation	Description
Marking		
0811228	X-PEN 0,35	Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm
0810038	ZBF 12:SO/CMS	Zack marker strip, flat, in 12 mm pitch, printed according to customer requirements, 5-section, divisible, color: white
0809735	ZBF 12:UNBEDRUCKT	Zack strip, flat, unprinted, 5-section, divisible, for labeling by the customer
0803595	ZBFM 5/WH:UNBEDRUCKT	Zack marker sheet, flat, unprinted: 120-section, 10 strips à 12 markers, sufficient for 120 terminal blocks, for all terminal blocks, pitch 5.2 mm, labeling with M-PEN or CMS system, color: white

Address

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