



**THE DATASHEET OF**  
**2856595**




# 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)	
Note	Made-to-order
sales group	J020
Pack	10 pcs.
Customs tariff	85369010
Catalog page information	Page 26 (TT-2009)

**Product notes**

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



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Technical data	
<b>Standards</b>	
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 fault	Optical
Direction of action	L-N / L-PEN
<b>Protective circuit</b>	
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
Ground conductor current $I_{PE}$	$\leq 300 \mu A$
Standby power consumption $P_C$	$\leq 17.5 \text{ mW}$
Max. discharge surge current $I_{max} (8/20) \mu s$	40 kA
Nominal discharge surge current $I_n (8/20) \mu s$	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	≤ 25 ns
Max. required backup fuse with branch wiring	125 A (gL/gG)
Short-circuit resistance I <sub>p</sub> 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

#### Standards

Standards/regulations	IEC 61643-1 1998
	DIN EN 61643-11 2002
	UL 1449
	IEEE C62.1 / C62.34 / C62.45

#### Certificates / Approvals



Certification

CB, CUL, GL, GOST, KEMA, UL

#### Accessories

Item	Designation	Description
<b>Marking</b>		
0811228	X-PEN 0,35	Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm
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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