


VAL-CP-350-ST

Order No.: 2859602

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



Commercial data	
GTIN (EAN)	 4 017918 956509
sales group	J020
Pack	10 pcs.
Customs tariff	85363030
Catalog page information	Page 28 (TT-2011)

Product notes

WEEE/RoHS-compliant since:
06/02/2006



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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 61643-1
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
Protective circuit	
IEC category	II
	T2
EN type	T2
Nominal voltage U_N	240 V AC
Arrester rated voltage U_C	350 V AC
U_T (TOV-proof)	415 V AC (5 sec.)
Nominal frequency f_N	50 Hz
	60 Hz
Ground conductor current I_{PE}	$\leq 250 \mu\text{A}$ (ground conductor current I_{PE})
Standby power consumption P_C	$\leq 0.35 \text{ mW}$
Power consumption without load P_c	$\leq 3.5 \text{ mW}$
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	$\leq 1.5 \text{ kV}$
Residual voltage	$\leq 1.4 \text{ kV}$ (at I_n)
	$\leq 1.2 \text{ kV}$ (at 10 kA)
	$\leq 1.1 \text{ kV}$ (at 5 kA)
	$\leq 1 \text{ kV}$ (at 3 kA)
SVR clamp voltage	$\leq 0.9 \text{ kV}$
Clamping voltage ringwave	$\leq 1.2 \text{ kV}$ (category C3 20 kV/10 kA)
	$\leq 1.1 \text{ kV}$ (category C2 10 kV/5 kA)
	$\leq 1 \text{ kV}$ (category B3/C1 6 kV/3 kA)

Response time	≤ 25 ns
Max. required backup fuse with branch wiring	125 A (gL/gG)
Short-circuit resistance I _p 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
	IEEE C62.34
	IEEE C62.45

Certificates / Approvals



Certification

CB, CUL, GL, GOST, KEMA, UL

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