



Extract from the online
catalog

VAL-CP-N/PE-350-ST

Order No.: 2859699



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2859699>

Type 2 replacement arrester plug with N-PE spark gap



Commercial data

EAN	4017918977627
Pack	10 pcs.
Customs tariff	85363030
Weight/Piece	0.05027 KG
Catalog page information	Page 26 (TT-2007)

Product notes

WEEE/RoHS-compliant since:
06/20/2006



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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 61643-1
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	N-PE

Protective circuit

IEC category	II
	T2
EN type	T2
Nominal voltage U_N	240 V AC (N-PE)
Arrester rated voltage U_C	350 V AC
U_T (TOV-proof)	350 V AC (5 sec.)
U_T (TOV-safe)	1200 V AC (200 ms / N-PE)
Nominal frequency f_N	50 Hz (60 Hz)
Discharge current to PE at U_C	$\leq 1 \mu A$
Max. discharge surge current I_{max} (8/20) μs	40 kA
Max. discharge surge current I_{max} (8/20) μs maximum (N-PE)	40 kA
Nominal discharge surge current I_n (8/20) μs	20 kA
Nominal discharge surge current I_n (8/20) μs (N-PE)	20 kA
Lightning test current (10/350) μs , peak value I_{imp}	12 kA
Impulse operate voltage at 6 kV (1.2/50) μs	≤ 1.5 kV
Impulse operate voltage at 6 kV (1.2/50) μs (N-PE)	≤ 1.5 kV
Protection level U_p	≤ 1.5 kV
Protection level U_P (N-PE)	≤ 1.5 kV

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Residual voltage	≤ 0.5 kV (at I _n)
	≤ 0.3 kV (at 10 kA)
	≤ 0.25 kV (at 5 kA)
	≤ 0.2 kV (at 3 kA)
SVR clamp voltage	1.2 kV
Clamping voltage ringwave	≤ 1.5 kV (category C3 20 kV/10 kA)
	≤ 1.3 kV (category C2 10 kV/5 kA)
	≤ 1.2 kV (category B3/C1 6 kV/3 kA)
Response time	≤ 100 ns
Response time (N-PE)	≤ 100 ns
Max. required backup fuse with branch wiring	125 A (gL)
Short circuit resistance I _{CC} with max. backup fuse (effective)	25 kA
Short circuit current self-quenching	100 A (N-PE)

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

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Address

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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