

Type 2 surge protection connector - VAL-CP-350-ST - 2859602

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



Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 28 (TT-2011)
GTIN	 4 017918 956509
Custom tariff number	85363030
Country of origin	GERMANY

Technical data

Standards

Housing material	PBT
Inflammability class according to UL 94	V0
Color	gray
Standards for air and creepage distances	DIN VDE 0110-1
Standards for air and creepage distances	IEC 60664-1
Standards for air and creepage distances	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
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Technical data

Protective circuit

IEC category	T2
EN type	T2
Nominal voltage UN	240 V AC
Arrester rated voltage UC	350 V AC
UT (TOV-proof)	415 V AC (5 sec.)
Nominal frequency fN	50 Hz
Nominal frequency fN	60 Hz
Ground conductor current IPE	≤ 250 µA (ground conductor current IPE)
Standby power consumption PC	≤ 0.35 mW
Power consumption without load Pc	≤ 3.5 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	≤ 1.5 kV
Residual voltage	≤ 1.4 kV (at I _n)
Residual voltage	≤ 1.2 kV (at 10 kA)
Residual voltage	≤ 1.1 kV (at 5 kA)
Residual voltage	≤ 1 kV (at 3 kA)
Clamping voltage ringwave	≤ 1.2 kV (category C3 20 kV/10 kA)
Clamping voltage ringwave	≤ 1.1 kV (category C2 10 kV/5 kA)
Clamping voltage ringwave	≤ 1 kV (category B3/C1 6 kV/3 kA)
Response time	≤ 25 ns
Max. required backup fuse with branch wiring	315 A (gL/gG)
Short-circuit resistance IP 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
Standards/regulations	DIN EN 61643-11 2002
Standards/regulations	UL 1449
Standards/regulations	IEEE C62.1
Standards/regulations	IEEE C62.34
Standards/regulations	IEEE C62.45

Classifications

eclass

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130805

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Classifications

eclass

eCl@ss 7.0	27130805
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etim

ETIM 2.0	EC000941
ETIM 3.0	EC000941
ETIM 4.0	EC000941
ETIM 5.0	EC000941

unspsc

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

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UL Recognized / KEMA-KEUR / cUL Recognized / GOST / GL / IECCEB Scheme / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

KEMA-KEUR

cUL Recognized


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Approvals

GOST 

GL

IECEE CB Scheme

cULus Recognized  us