

Type 2 surge protection plug - VAL-MS 600PV ST - 2805431

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Replacement plug for PV arrester combinations of the VAL-MS 600DC... product range



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	60.0 GRM
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	52.4 mm
Width	17.5 mm
Depth	55.3 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C

General

Housing material	PA 6.6
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	IEC 60664-1 DIN EN 61643-11
Mounting type	On base element
Type	Male
Number of positions	1

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Technical data

General

Surge protection fault message	Optical
Direction of action	1L-N/PE

Protective circuit

IEC test classification	II
	T2
EN type	T2
Nominal voltage U_N	230 V AC
Maximum continuous operating voltage U_C	385 V AC
Nominal frequency f_N	50 Hz (60 Hz)
Residual current I_{PE}	$\leq 450 \mu A$
Standby power consumption P_C	$\leq 175 \text{ mVA}$
Max. discharge current I_{max} (8/20) μs	40 kA
Nominal discharge current I_n (8/20) μs	20 kA
Impulse discharge current (10/350) μs , peak value I_{imp}	3 kA
Max. energy absorption (2 ms)	800 J
Voltage protection level U_p	$\leq 1.8 \text{ kV}$
Residual voltage	$\leq 1.8 \text{ kV}$
	$\leq 1.35 \text{ kV}$ (at 5 kA)
	$\leq 1.3 \text{ kV}$ (at 3 kA)
Response time	$\leq 25 \text{ ns}$
Max. backup fuse with branch wiring	125 A (gL / gG)
Short-circuit resistance I_p with max. backup fuse (effective)	25 kA
Capacity	2.2 nF $\pm 30 \%$

Connection, protective circuit

Connection method	FLASHTRAB/VALVETRAB plug-in system connector
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Standards and Regulations

Standards/regulations	IEC 61643-1 2005
	DIN EN 61643-11/A11 2007
	UL 1449 ed. 2 1996
	IEEE C62.1 / C62.34 / C62.45

Classifications

eCl@ss

eCl@ss 4.0	27140201
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Classifications

eCl@ss

eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130805
eCl@ss 7.0	27130805
eCl@ss 8.0	27130805

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

Approvals

GOST / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals


Approvals submitted


Approval details


GOST

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Approvals

UL Recognized 

cUL Recognized 

cULus Recognized 

Drawings

Dimensioned drawing

