VARISTOR SURGE ARRESTER SIMTEC FOR PHOTOVOLTAICS SV B+C 3P SIMTEC

SV B+C 3P



Product description

Varistor surge arrester SIMTEC for photovoltaics SV B+C 3P SIMTEC is used to protect against the direct and indirect effects of lightning discharges or other transient surges. These surge arresters are intended for connection to the DC side of photovoltaic installations with a voltage range up to 1000 V the devices include a nonlinear element (varistor) and they are designed to limit impulse voltages and reverse surge currents. They are intended only for installation on the DC side of photovoltaic generators and the DC side of inverters.

Product specifications

Catalogue number	85036002
Name of item	SV B+C 3P
EAN code	5907813232220
Colour	grey-green
Unit	pcs
Collective packaging	1
Rated voltage of the DC PV system (U_n)	1000 V DC
Max. continuous operating voltage DC (U_{cpv})	1060 V DC
Surge current (I_{imp} 10/350 µs)	6,25 kA
Discharge current (I_n 8/20 µs)	20 kA
Max. discharge curren (I_{max} 8/20 µs)	40 kA
Oltage protection level (U_p)	≤ 4,5 kV
Response time (t_A)	
Max. additional fuse (gL/gG)	125 A
Insulation resistance (Riso)	> 100 MΩ

Fork connection rail	modular spacing 18 mm
Max. relative ambient humidity (R_h)	5 % ... 95 %
Operating temperature	-40 °C ... +85 °C
Housing material	PA 6
Flammability class	UL94 V0
Protection level	IP20
Thermal overload protection	Yes
Mounting	on TS 35 rail
Cross-section of remote signaling cables	max 1,5 mm2
Nominal cross-section of connected cables (rigid)	2,5 ... 35 mm²
Nominal cross-section of connected cables (flexible)	4 ... 25 mm²

SIMET S.A.

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