

Surge protection device set - PV-SET DC - 2880040

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Surge protection in the IP65 housing for photovoltaic systems, pluggable varistors with thermal disconnect facility between L+, L- and Ground/PE, connection via multiple contact plug / socket.



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 959630
GTIN	4017918959630

Technical data

Dimensions

Height	200000 mm
Width	125 mm
Depth	122 mm

Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-25 °C ... 70 °C

General

Housing material	Polystyrene
Flammability rating according to UL 94	V0 2
Color	light grey RAL 7035
Standards for clearances and creepage distances	DIN VDE 0110-1
	IEC 60664-1
	DIN EN 61643-11
Overvoltage category	III
Degree of pollution	2
Mounting type	Surface/Wall mounting

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Technical data

General

Type	Installation housing
Number of positions	2
Direction of action	(L+)-PE & (L-)-PE & (L+)-(L-)

Protective circuit

IEC test classification	II
	T2
EN type	T2
Maximum continuous operating voltage U_C	500 V DC (to earth)
Rated load current I_L	≤ 30 A (Isc stc)
Residual current I_{PE}	≤ 100 μ A
Standby power consumption P_C	≤ 80 mW
Max. discharge current I_{max} (8/20) μ s	40 kA
Nominal discharge current I_n (8/20) μ s	20 kA
Voltage protection level U_p	≤ 4.2 kV (with V wiring)
Response time t_A	≤ 25 ns

Connection, protective circuit

Connection method	Connector
Connection method IN	MC plug ADSP 4/6
Connection method OUT	MC socket ADSP 4/6

Standards and Regulations

Standards/regulations	IEC 61643-1
	DIN EN 61643
	IEC 60364-7-712

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