

Surge protection device set - PV-SET DC - 2880040

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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
Weight per Piece (excluding packing)	1194.1 GRM
Custom tariff number	85363030
Country of origin	Germany

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
Inflammability class according to UL 94	V0 2
Color	light grey RAL 7035
Standards for air and creepage distances	DIN VDE 0110-1
	IEC 60664-1
	DIN EN 61643-11

Surge protection device set - PV-SET DC - 2880040

Technical data

General

Surge voltage category	III
Pollution degree	2
Mounting type	Surface/Wall mounting
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	≤ 25 ns

Connection, protective circuit

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

Standards and Regulations

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

Classifications

eCl@ss

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

Surge protection device set - PV-SET DC - 2880040

Classifications

ETIM

ETIM 2.0	EC000941
ETIM 3.0	EC000941
ETIM 4.0	EC000941

UNSPSC

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