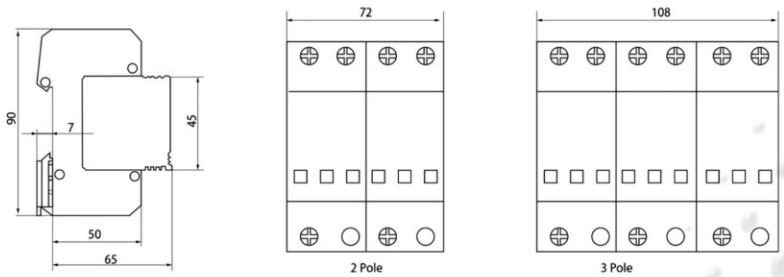
Type 1-2 DC Surge Protective Device

▶ Application

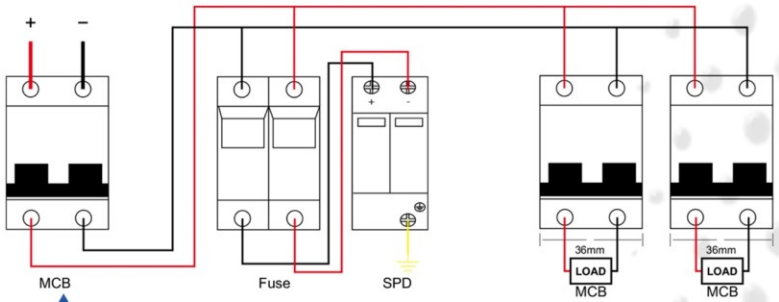
FSP-D40 is a Type 1+2 surge protector specially designed for photovoltaic power generation, it is installed at the outlet of photovoltaic panels with high risk of direct lightning strike, it is suitable for photovoltaic system protection with DC voltages of 1000V and 1500V.

IEC/EN 61643-11

▶ Dimensions



▶ Wiring Diagram



TÜVRheinland

▶ Features

- Type 1+2 surge protective device for Photovoltaic
- VG-Technology
- Up to 1500 Vdc
- No leakage, no operating currents
- Impulse currents Iimp/Itotal : 5/20μs & 10/350 us
- Common and Differential Mode protection
- Plug-in modules
- Remote Signaling (option)
- EN 50539-11 compliance

▶ Specifications

Model		FSP-D40		
Description		Type 1+2 PV DC surge protector		
Pole		2P	3P	3P
Protection mode		CM/DM		
Max. operating voltage	Ucpv	600 Vdc	1000 Vdc	1500 Vdc
Current withstand short-circuit	Iscpv	1000 A		
Operating current - to the voltage Ucpv	Icpv	none		
Leakage current - to the voltage Ucpv	Ipe	none		
Follow current	If	none		
Nominal discharge current - 8/20 us	In	20 KA		
Max discharge current by pole - 8/20 us	Imax	40 KA		
Max. Lightning current by pole - 10/350 us	Iimp	5 KA/12.5KA		
Total lightning current - 10/350 us	Itotal	10 KA		
Total Maximal discharge current - 8/20 us	Itotal	60 KA		
Protection level CM/DM (at In)	Up	2.8 KV	3.5 KV	5.1 KV

Mechanical characterist	
Dimensions	See diagram
Connection	Screw terminal for 2.5-25 mm2 wire
Disconnection indic ator	1 mechanical indicator by pole
Remote signaling	Option FSP-D40 - Output on changeover contact
Mounting	Symmetrical rail 35 mm (EN60715)
Operating temperature	-40℃ ~+85℃
Protection class	IP20
Housing material	Thermoplastic UL94-V0

SOLPHOWER
Efficient PHotovoltaic Power

Contactos:
311 5053145
312 4138473
info@solphower.co

Síguenos:
@solphower
@solphower

Calle 161 No 16-35 Of. 301
Barrio Las Orquideas
Bogotá D.C.

www.solphower.co