

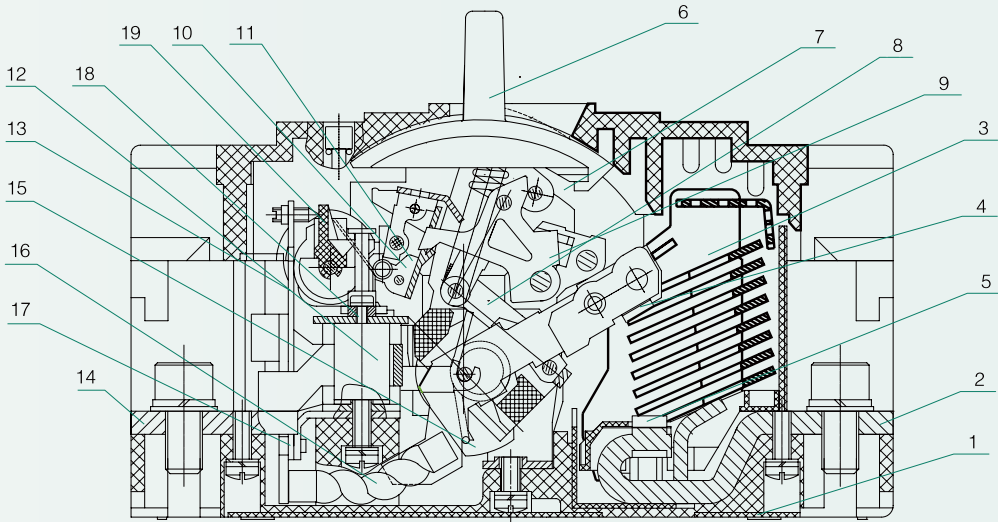
Application conditions

- Altitude : less than 2000m (please specify when it's higher than 2000m).
- Ambient temperature : -40~+70℃
- Dampproof Moisture-resistant

Connection

Wiring capacity (mm ²)	2P	3P	4P
Connection			

Current correction factor used at different altitudes



- 1.Shell

2.Up wiring board

3.Arc chamber

4.Moving contact

5.Fixed contact
- 6.Handle

7.Lever

8.Connecting lever

9.Jump pin

10.Chain part
- 11.Chain part

12.Release

13.Bimetal

14.Down wiring board

15.Spindles
- 16.Soft linking

17.Thermoelement

18.Upper putt

19.Short time delay institutions



FSP-D40

Type2 Solar DC Surge Protective Device (DC SPD)

Surge protective device, protect against lightning surge voltages in solar system (photovoltaic power supply system). These units must be installed in parallel on the dc networks to be protected and provide common and different modes protection. Its installed location are recommended at both ends of the dc power supply line (solar panel side and inverter/converter side), especially if the line routing is external and long.



Specifications

FPV-D40 Surge protector	FSP-D40			
PVDC - specific	EN61643-31			
Pole	2P	2P	3P	3P
Electrical parameter				
Classified test	II	II	II	II
Uoc max (VDC)	600	800	1000	1500
Uc (VDC)	600	600	1000	1500
In (8/20) us (kA)	20	20	20	20
I _{max} (8/20) us (kA)	40	40	40	40
Up (kV)	2.0	2.5	3.8	5.3
Ic _{pv}	20uA			

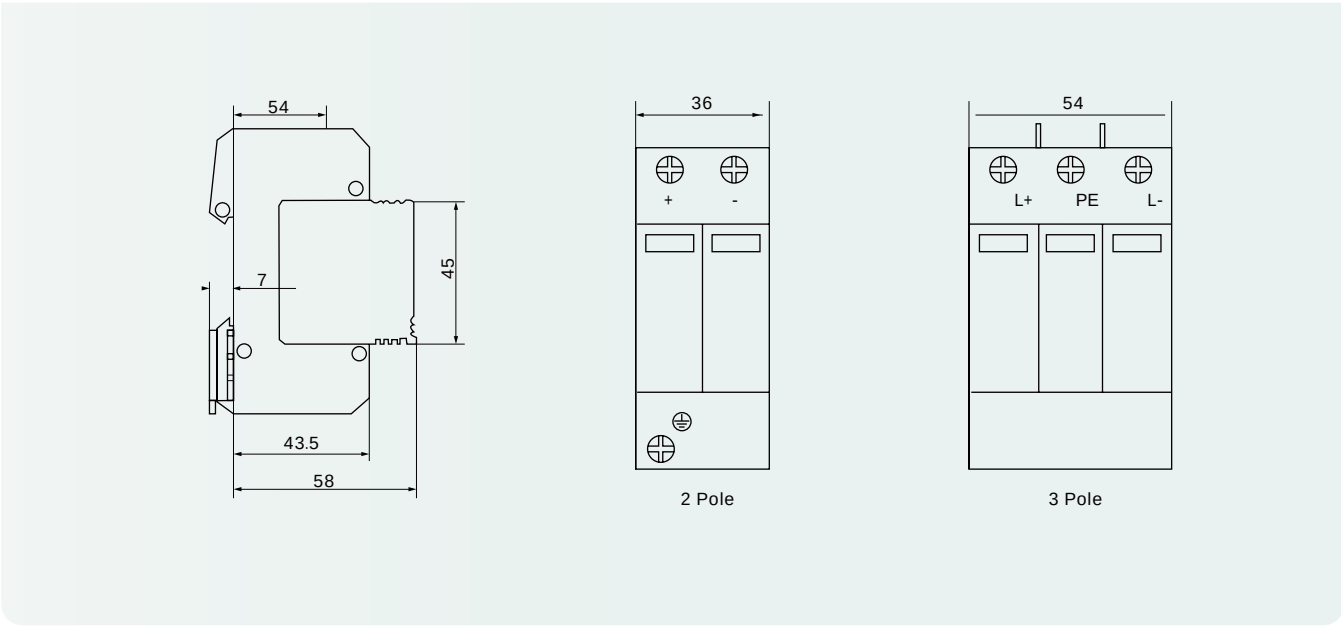
Remote Signal Contact

Remote signal contact	Maximum working voltage (V)	250VAC/30VDC	250VAC/30VDC
	Maximum working current (A)	IA (250V/AC)	IA (250V/AC)
	IA (30V DC)	IA (30V/AC)	IA (30V/AC)

Installation and Dimensions

Wiring capacity (m m2)	Hard wire	4~25	4~25
	Flexible wire	4~16	4~16
Stripping length (m m)		10	10
Terminals crcwa		M5	M5
Torque (Nm)	Main circuit	3.5	3.5
	Remote signal contact	0.25	0.25
Protection class	All profile	IP40	IP40
	Connection port	IP20	IP20
Installation environment		No obvious shock and vibration	
Altitude (m)		≤2000	≤2000
Working Temperature		-30℃ ~ +70℃	-30℃ ~ +70℃
Relative humidity		30%~90 %	30%~90 %
How to install		Installed with H 35-7.5/DIN35 steel mounting rail	
Size (m m) (W x H x L)	W	36	54
	H	90	90
	L	67.6	67.6
Weight (kg)		0.24	0.36

Dimensions



Drawing

