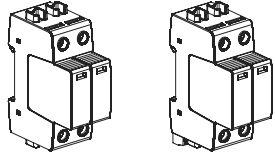


DC Surge Protective Device (SPD)

Installation Instructions

SLP-DCxxx series, SLP20-DCxxx series
SLP30-DCxxx series, SLP40-DCxxx series
FLP-DCxxx series, FLP7-DCxxx series



Important Notes:

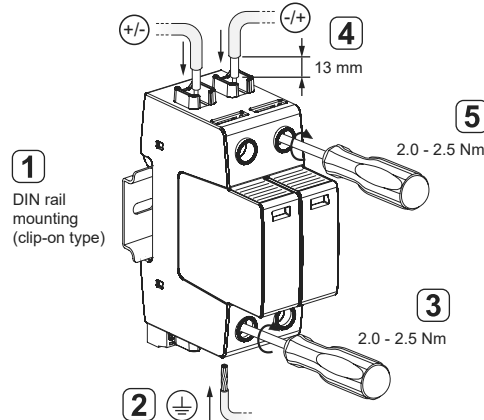
- Please read this manual carefully before installing or operating the product. If you have any questions, please contact our company.
- Unauthorized disassembly of the product is strictly prohibited to prevent instrument failure or malfunctions.

Installation

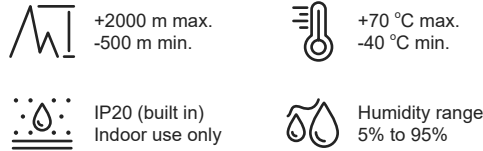
Conductor cross-section range (mm²)

Conductor function	SLP, SLP20, SLP30, SLP40	FLP, FLP7
DC+ / DC- wire	1.5 - 35	2.5 - 35
Earth wire	6 - 35	
DC+ / DC- wire	1.5 - 25	2.5 - 25
Earth wire	6 - 25	

Values based on copper conductors.



Working Conditions

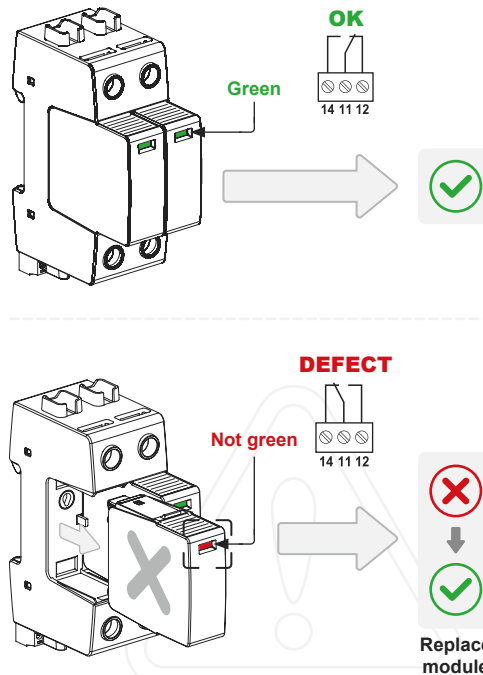


Characteristics

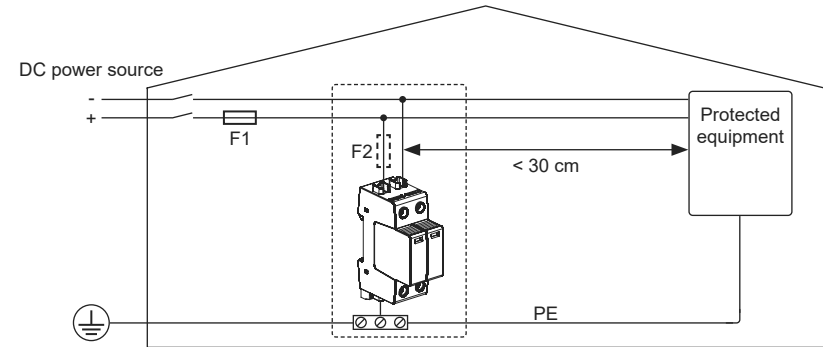
P/N	I _{PE}	I _n	I _{max}	I _{imp}
SLP-DC12~24		1 kA	2 kA	
SLP-DC48~130		2 kA	6 kA	
SLP20-DC24~38	< 0.5 mA	10 kA	20 kA	
SLP30-DC65		15 kA	30 kA	
SLP40-DC100~460		20 kA	40 kA	
FLP-DC65		15 kA	30 kA	4 kA
FLP-DC85	< 1 mA	20 kA	40 kA	4 kA
FLP7-DC65		30 kA	70 kA	7 kA

Remote signal option: e.g. SLP20-DC24/2(S)

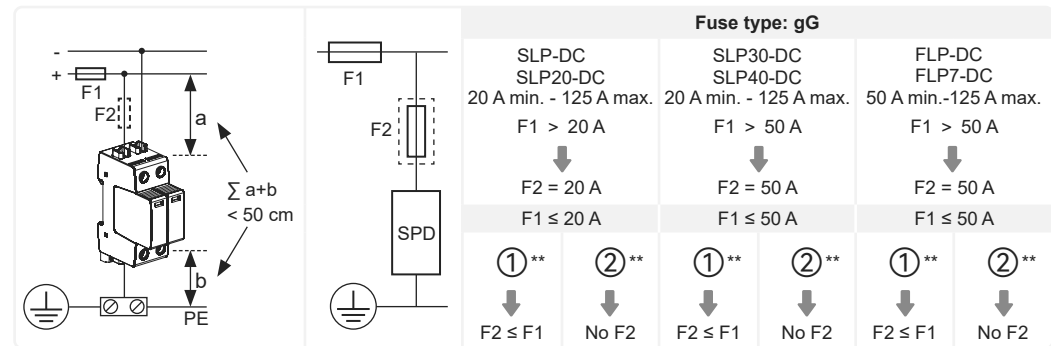
Maintenance



Installation Examples

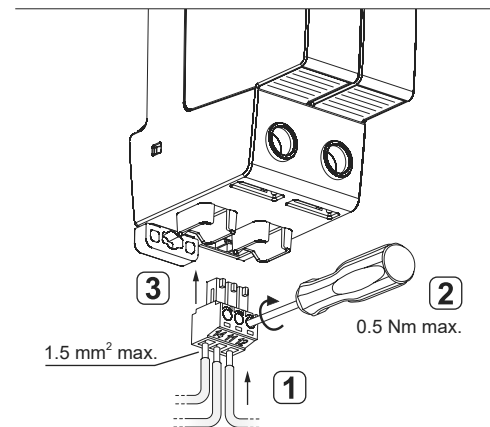


Standard Wiring



** Depending on national rules: Solution ① or ②

Remote Contact Wiring



Remote signal for disconnection information

- 11-12 Closed = SPD OK
- 11-14 Open = SPD OK
- 11-12 Open = SPD disconnect
- 11-14 Closed = SPD disconnect

Remote contact electrical ratings

- 250 Vac / 0.5 A max.
- 30 Vdc / 3 A max.