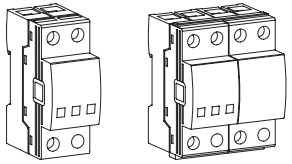
DC Surge Protective Device (SPD)

Installation Instructions

FLP25-DCxxx series



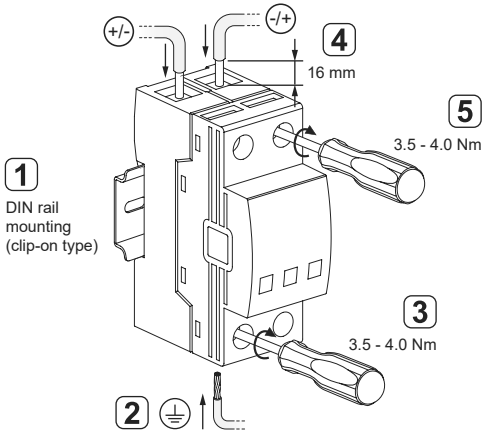
⚠ Important Notes:

- 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		FLP25-DC
	Live / Neutral wire	6 - 50
	Earth wire	16 - 50
	Live / Neutral wire	6 - 35
	Earth wire	16 - 35

Values based on copper conductors.



Working Conditions

+2000 m max.
-500 m min.

+70 °C max.
-40 °C min.

IP20 (built in)
Indoor use only

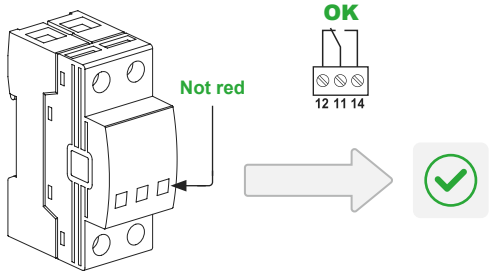
Humidity range
5% to 95%

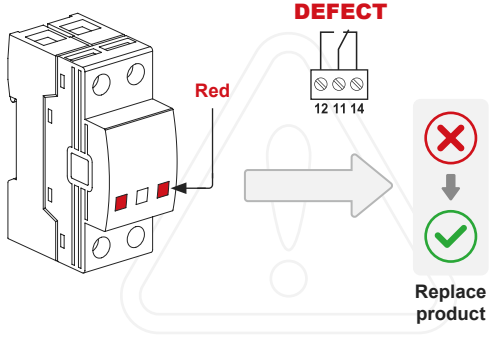
Characteristics

	FLP25-DC75/1(S)	FLP25-DC75/1(S)+1
U_o / U_n	48 Vdc	
I_{PE}	< 0.1 mA	without
I_{total}		50 kA
I_n	25 kA	
I_{max}	100 kA	
I_{imp}	25 kA	

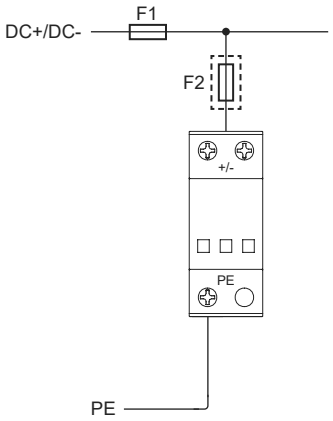
Remote signal option: e.g. FLP25-DC75/1(S)

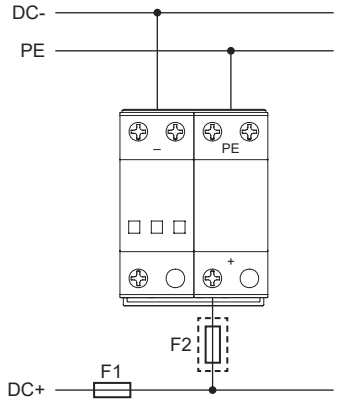
Maintenance

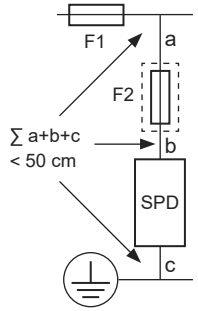




Wiring Diagram



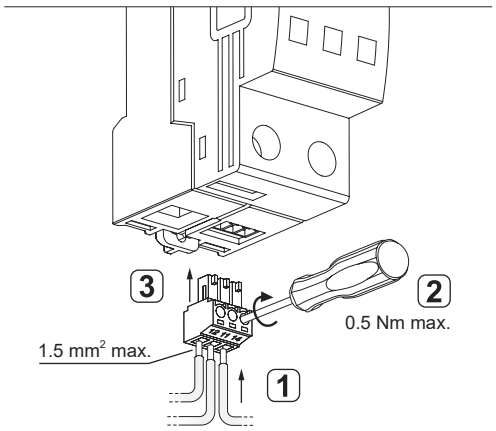




Fuse type: gG	
F1 > 315 A ⬇ F2 = 315 A	
F1 ≤ 315 A	
①** ⬇ F2 ≤ F1	②** ⬇ No F2

** For Germany both connections are mandatory: 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	11 = C(COM) 12 = NC 14 = NO

Remote contact electrical ratings
250 Vac / 0.5 A max. 30 Vdc / 3 A max.