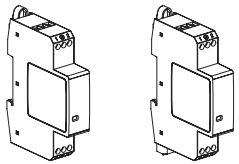
AC Surge Protective Device (SPD)

Installation Instructions

TLP-xxx/2(S) series



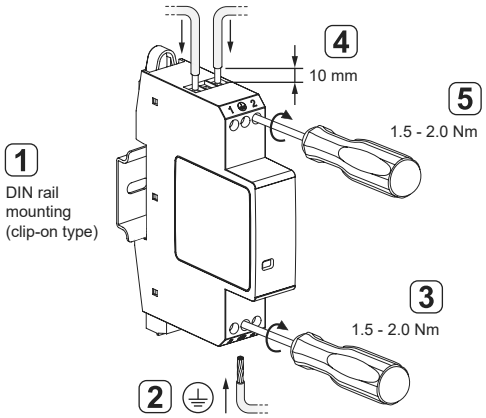
⚠ Important Notes:

- 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		TLP
	Live / Neutral wire	0.5 - 4
	Earth wire	0.5 - 4
	Live / Neutral wire	0.5 - 2.5
	Earth wire	0.5 - 2.5

Values based on copper conductors.



Working Conditions

+2000 m max.
-500 m min.

+80 °C max.
-40 °C min.

IP20 (built in)
Indoor use only

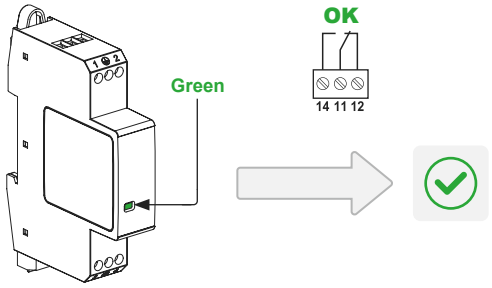
Humidity range
5% to 95%

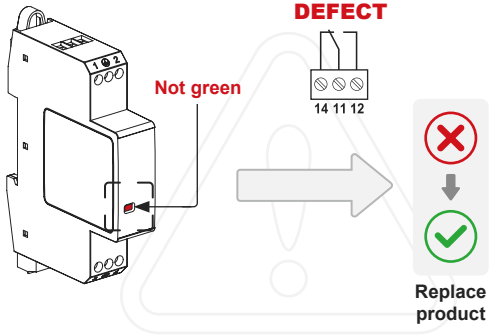
Characteristics

TLP-xxx/2(S)	30	60	75	150	255
U_N (50/60Hz) Tol.: ±10%	24 V	48 V	60 V	120 V	230 V
U_C (AC)	30 V	60 V	75 V	150 V	255 V
U_C (DC)	30 V	60 V	75 V	150 V	255 V
I_{SCCR}	6 kA_{rms} (1 kA_{rms})				
I_{PE}	< 5 µA				

Remote signal option: e.g. TLP-60/2(S)

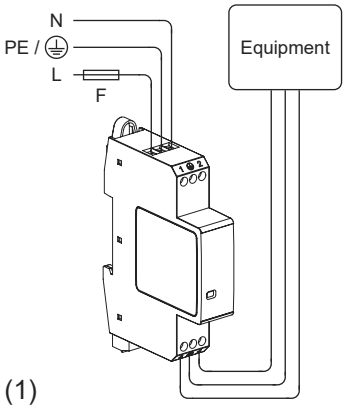
Maintenance

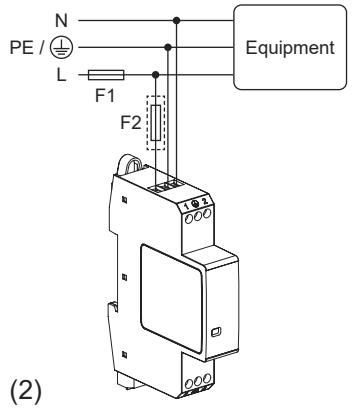


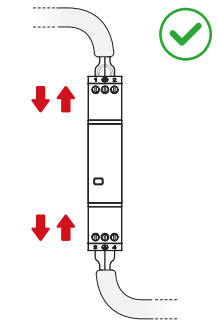


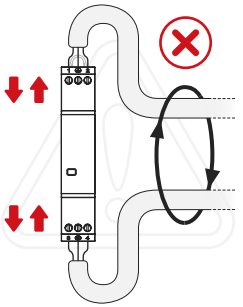
Standard Wiring

Series wiring configuration	Parallel wiring configuration	Wiring precautions



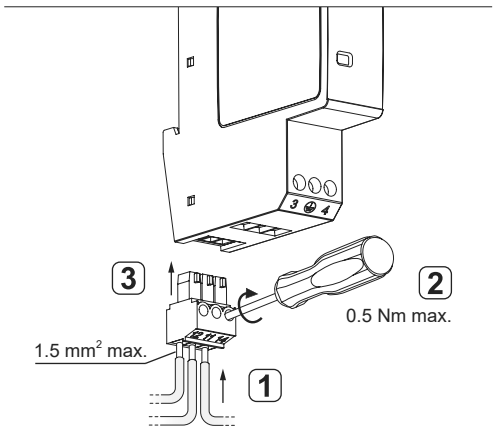






F	F ≤ 25 A gG → ✓	F1 > 25 A gG → F2 ≤ 25 A gG
	F1 ≤ 25 A gG → (2)	F1 ≤ 25 A gG → No F2

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.	250 Vdc / 0.1 A max. 125 Vdc / 0.2 A max. 75 Vdc / 0.5 A max.