

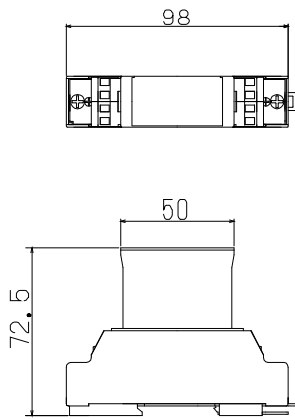
OTOWA Signal line SPD SPN-Z series for Control power line

SPD for Control power line DC/AC 24-48V
SPD consisting of a base part and plug-in protection module

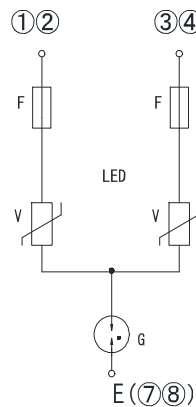


- Terminals for four bus lines and SG
- Direct or indirect shield earthing
- DIN rail mounted device
- EU RoHS Compliant with regulated substances

Type	SPN-Z24J	SPN-Z48J
SPD Class (Category)	C2 , D1	
Nominal a.c. voltage (Un)	24V	48V
Max. continuous operating a.c. voltage (Uc)	25V	50V
Max. continuous operating d.c. voltage (Uc)	35V	70V
Rated current	10A	
AC Durability	60Hz 0.5A 1sec 5shots	
Voltage protection level C2:8/20 μ s:5kA D1:10/350 μ s:2.5kA	L-L : \leq 170V L-E : \leq 600V	L-L : \leq 290V L-E : \leq 600V
C2 Nominal discharge current (8/20 μ s)	5kA	
C2 Total Nominal discharge current (8/20 μ s) (In)	10kA	
D1 Lightning impulse current (10/350 μ s)	1kA	
D1 Total Lightning impulse current (10/350 μ s) (Iimp)	2kA	
frequency	50/60Hz	
Operating temperature range (Tu)	-40°C ~ +60°C	
Weight	approx. 100g	
Enclosure material / Color	thermoplastic, UL 94 V-0 / Gray	
Place of installation	Indoor installations	
Degree of protection (Plugged-in)	IP20	
For mounting on	35mm DIN rails acc. to EN 60715	
Cross-sectional area	AWG 28 - 12※ (AWG12It may not be usable depending on the outer diameter of the cable sheath.)	
Test standards	IEC 61643-21	



Dimension drawing



Basic Circuit Diagram

Other information

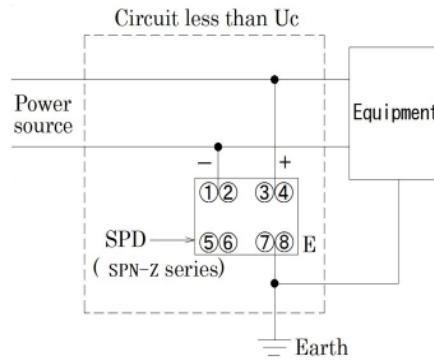
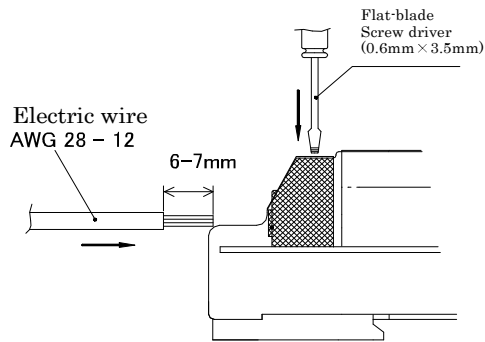


OTOWA web site

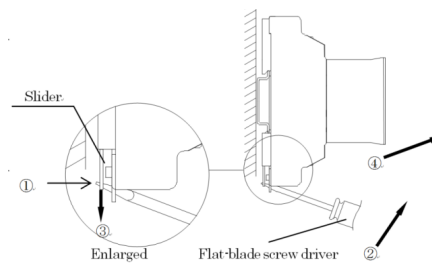
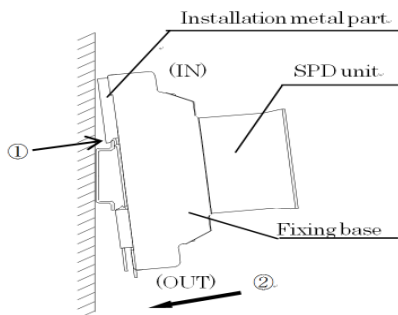


Instruction manual

Connection



Installing the fixing base

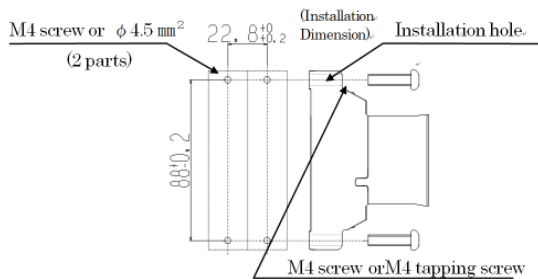


[Installation to DIN rail]

[Removing SPD from DIN rail]

The SPD should be installed to the rail for equipment installation (35mm width of DIN standard rail)
 After positioning the installation metal part ① of the SPD to DIN rail, push the SPD into DIN rail with arrow direction of ② until the end.

(1) After inserting the flat-blade screw driver to the square hole of the slider ① and tilting it with arrow direction of ②, pull out the slider with arrow direction of ③.
 (2) Pull off the SPD from DIN rail with arrow direction of ④, holding the fixing base.



[Installation method to panel or board]

(1) When installing the SPD to panel or board directly, Loosen the M4 screws of earth terminal on the fixing base and remove the installation metal part for DIN rail.
 (2) Holes must be punched or drilled on panel, and install the fixing base of the SPD by M4 screws or M4 tapping screws.

Manufacturer

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Agency