
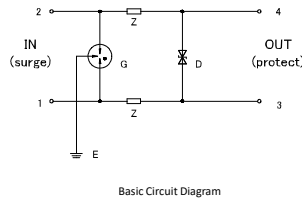
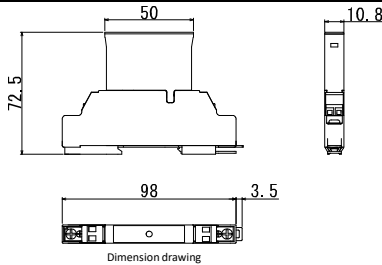

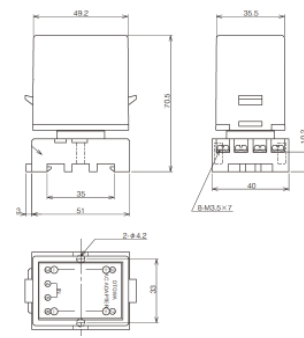


OTOWA Signal line SPD SL-GV series Pluggable DIN Rail mounted SPDs with LED status indication					
Space saving SPD module for protecting one pair of balanced interfaces with electrical isolation.					
	<ul style="list-style-type: none"> <li>• Plug-in Module with LED status indication</li> <li>• Low voltage protection level</li> <li>• Easy to replace the protection modules</li> <li>• No signal disconnection if the protection module is removed</li> <li>• DIN rail mounted device</li> </ul>				
	Type	SL-GV5J	SL-GV12J	SL-GV24J	SL-GV48J
SPD Class (Category)	C2 , D1				
Nominal d.c. Voltage (Un)	5V	12V	24V	48V	150V
Max. continuous operating d.c. voltage (Uc)	5.7V	13.0V	25.2V	52V	170V
Rated current	100mA				200mA
AC Durability	60Hz 0.5A 1sec 5shots				
Voltage protection level C2:8/20 μs:5kA D1:10/350 μs:2.5kA	L-L : ≤35V L-E : ≤400V	L-L : ≤45V L-E : ≤400V	L-L : ≤60V L-E : ≤400V	L-L : ≤115V L-E : ≤400V	L-L : ≤400V L-E : ≤500V
C2 Nominal discharge current (8/20 μs)	5kA				
C2 Total Nominal discharge current (8/20 μs) (In)	10kA				
D1 Lightning impulse current (10/350 μs)	2.5kA				
D1 Total Lightning impulse current (10/350 μs) (Imp)	5kA				
Insertion Loss	≤ 1.5dB				
Series impedance per line	9.1 ohm(s)				
Cut-off frequency line-line (fG) Characteristic impedance 600 Ω	4.8MHz	1.1MHz	2.7MHz	4.8MHz	4.0MHz
Typical Capacitance line-line (at 1MHz, 1Vrms)	≤ 180pF	≤ 850pF	≤ 500pF	≤ 180pF	≤ 200pF
Operating temperature range (Tu)	-20°C ~ +60°C				
Weight	approx. 60g				
Enclosure material / Color	Polycarbonate/Black				
Place of installation	Indoor installations				
Degree of protection (Plugged-in)	IP20				
Status indication	Operating state: LED lighting (need 5V dc)				
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				



Optional accessories	
 <p>SL-205A</p>	<p>• Power source for emitting LED</p> <p>Input : 90 — 250V (AC 50/60Hz) Output : 5V (DC)</p> <p>LEDs of up to 50 pieces of SPD can be emitted</p> <p>Terminal : M3.5 screw terminal Installation method : 35mm DIN rail or M4 screw Max SPD numbers: 50pcs.</p> 
SL-CN10	Common bonding bar For LED status indication, use DC3-5V

Other information

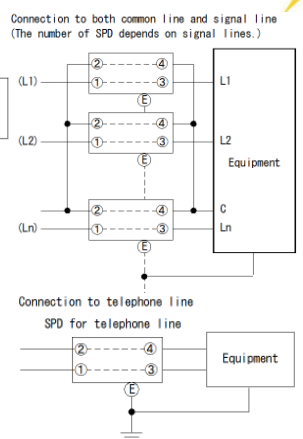
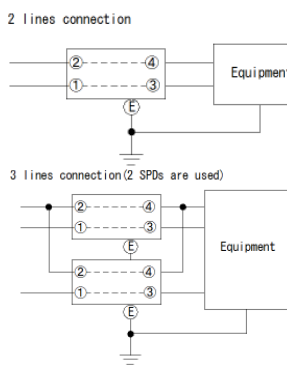
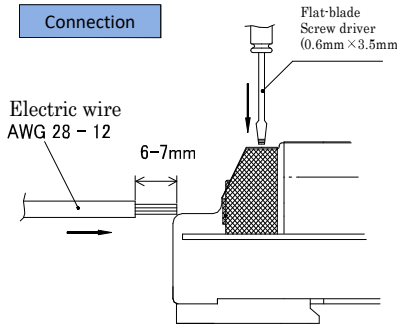


OTOWA web site

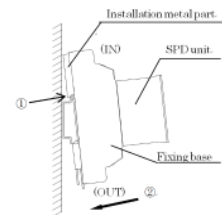


Instruction manual

**Connection**

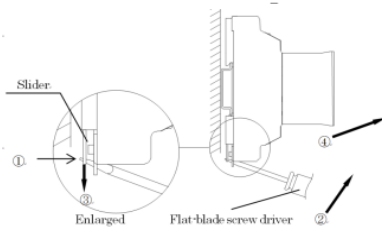


**Installing the fixing base**



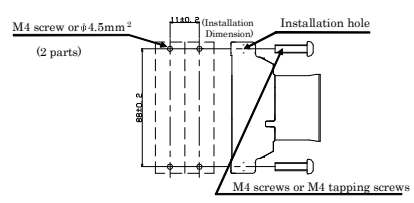
**[Installation to DIN rail]**

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.



**[Removing SPD from DIN rail]**

(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.

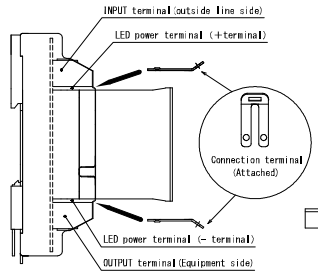


**[Installation method to panel or board]**

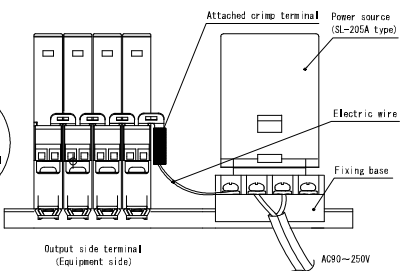
(1) When installing the SPD to panel or board directly, Loosen the M4 screws of earth terminal on the fixing base and remove the installation metal part for DIN rail.  
 (2) Holes must be punched or drilled on panel, and install the fixing base of the SPD

**Status indication**

**Install on DIN Rail, Common earth with Bonding bar**



**LED Status indication by DC 3-5V power**



**Regular maintenance**

(1) Confirm the LED indicator of the SPD is emitting during regular maintenance.  
 In case of no connection of DC3-5V, LED does not emit. Confirm the LED is emitted when applying DC3-5V by a battery.  
 Be sure to use the special power source at DC3-5V (Separate selling : SL-205A type), if LED is emitting at all times.  
 (2) If LED lamp does not emit, SPD has no function of it. Replace it with new SPD immediately.  
 (3) It is recommended that the SPD is replaced about every 10 years, though the condition of the SPD is determined during regular maintenance.  
 (10 years is the nominal life of the part, but cannot be guaranteed, due to the differences in service conditions.)

**Manufacturer**

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**Agency**