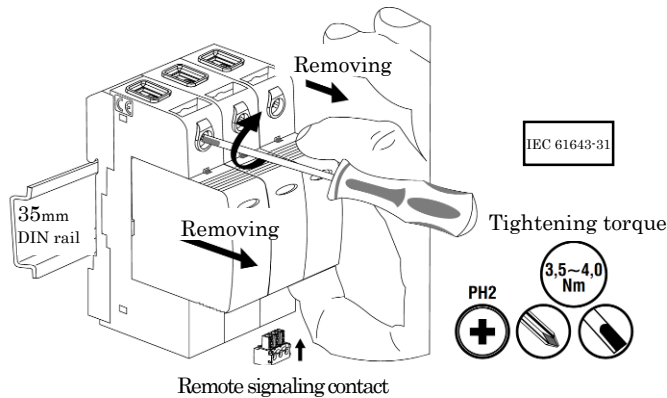
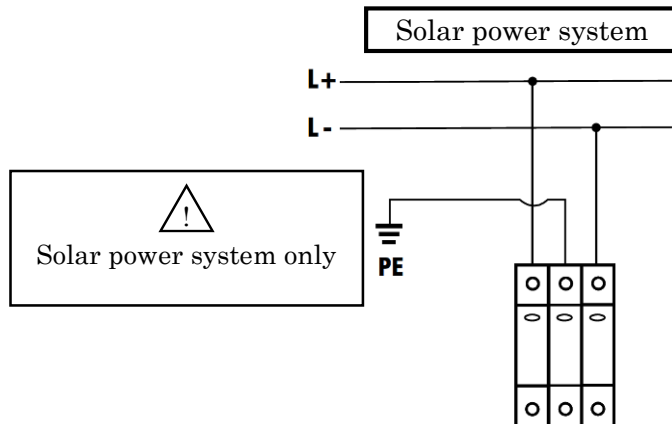


Surge protective device PUSA-YS



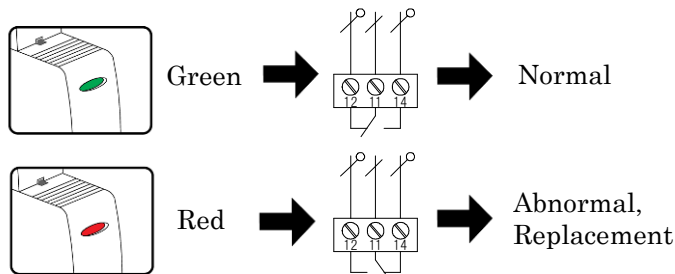
When inserting wires, do not loosen the terminal part more than the degree of push inserting applied wires. After the end of losing, do not give the torque more.

System circuit



Function indicator

SPD disconnect mode : Open circuit mode



Type	PUSA-0640-YS	PUSA-1040-YS	PUSA-1540-YS
Maximum Continuous Operating Voltage U_{CPV}	660V DC	1060V DC	1500V DC
Rated short circuit current I_{SCPV}	10kA		
Maximum discharge current I_{max}	40kA		
Nominal discharge current I_n	20kA		10kA
Voltage protection level U_p	$\leq 2.5kV$	$\leq 4.0kV$	$\leq 5.0kV$
Leakage current $I_{PE(DC)}$	$< 20\mu A$		
Applied temperature and humidity	$-40^{\circ}C$ to $+85^{\circ}C$ / 5% to 95%		

Applied wires	Stranded	Rigid
Min. L+, L-, PE	5.5mm ²	ϕ 2.6mm
Max. L+, L-, PE	25mm ²	ϕ 5.0mm

Specification of remote signaling contact

		U_{max}/I_{max}
AC		250V/1A
		125V/3A
	Min	0.05 mm ²
	Max	2.5 mm ²
	Max	ϕ 1.2 mm

Instruction for use

a) It is exceptionally difficult to predict the energy involved with lightning since it is a natural phenomenon. In the event of a direct lightning strike exceeding the specification or if there are multiple induced lightning currents in a short period of time, the SPD may deteriorate, short circuit and in the worst case fail.

b) Electrical circuit condition

① Do not install the SPD on circuits where it is subjected to voltages above specified MCOV(U_{CPV}).

② Do not use the SPD in the circuits that are subjected to frequent current surges with a very short interval between them.

c) Environmental condition

① Do not expose the SPD to high temperature such as direct sunshine or install adjacent to hot object.

② Do not expose the SPD to adverse environmental conditions such as rain, wind, steam, high humidity, dust, and salty air.

③ Do not expose the SPD to acid, alkali, corrosion gas, solvent, oil, dust, and salt.

④ Handle the SPD carefully to prevent mechanical shock (e.g. drop), vibration or pressure, as this may cause cracking of its plastic housing.

d) Regular maintenance

During the lightning season, and after lightning strikes, maintain the SPD as follows.

While maintain the SPD, do the countermeasures against an electric shock.

- If it is noted that the plastic housing has changed color or shape, replace the SPD.

- If the status indicator on the SPD turns red, the SPD becomes failure. Replace the SPD main unit.

Contact Us

OTOWA ELECTRIC CO., LTD.

<https://www.otowadenki.com/>

Head Office (Japan) : TEL +81-6-6429-5951