

Junction box for Photovoltaic System

ST616

- Protected IEC 60068-2-52
- Dust & water-proof IP68(1m,1h)
- UV, Ammonia, safety class II
- Safety requirement and test as per IEC 62790, EN62790
- Ribbon termination is achieved by soldering or clamping
- Customer-specific: connector, diode, cable length

● Technical data

Rated current	15A
Rated voltage	1500V DC
Degree protection, mated	IP68(1m,1h)
Application class	A
Protection class	II
Ambient temperature range	-40°C to +85°C
Flame class	UL94 V0/5VA
Insulation material	PPO
Locking system	Locking type
Type of termination for ribbon	Clamping/Soldering
Rated impulse voltage	16 kV
Upper limiting temperature	110 °C
Contact material	Copper, tin plated
Contact resistance of connector	≤0.25mΩ
Overvoltage category / Pollution degree	CATIII / 2
Silicone type	non-potting

● Order information

Part No.	Order No.	Diode qty	Diode type	Terminal	Crosssection	Cable length(cm)
ST616-1	69S1701	3	30PV045	Clamping	4mm ²	100
ST616-1	69S1702	3	30PV045	Clamping	4mm ²	120
ST616-2	69S1703	3	30PV045	Soldering	4mm ²	100
ST616-2	69S1704	3	30PV045	Soldering	4mm ²	120
ST616-3	69S1705	3	GF3045	Clamping	4mm ²	100
ST616-3	69S1706	3	GF3045	Clamping	4mm ²	120
ST616-4	69S1707	3	GF3045	Soldering	4mm ²	100
ST616-4	69S1708	3	GF3045	Soldering	4mm ²	120

