

PRODUCT SPECIFICATION

Part Number : SP21

SP21 , connector , IP68

WEIPU COMPANY LIMITED

Add : 4th Floor, No.153, Jiang Chang San Rd. Shanghai, 200436, China.

Att: Grace

Email: sales01@weipuconnector.com

Tel: 021-62119136-105

Fax: 021-62119778

1. Range of application

This specification is written as the basis for technical confirmation.

2. General Field

SP21 is the circular connector designed for IP68 rating condition. This product is widely used for harsh environment and waterproof condition, such as renewable energy system, solar module&tracker, outdoor and indoor LED lighting, security cameras, etc .

3. Product structure

This product is the circular straight connector, with threaded coupling and IP68 rating.

4. Material and Spec:

Shell	PC, Nylon 66, fire resistance:V-0
Insert	PPS
Contact	Brass with gold plating
Coupling	Threaded coupling
Cable OD	Type I 4.5-7mm, Type II 7-12mm
IP rating	IP68 (after mated or with caps)
Temperature range	-40°C~ +85°C

Solder Contact Spec

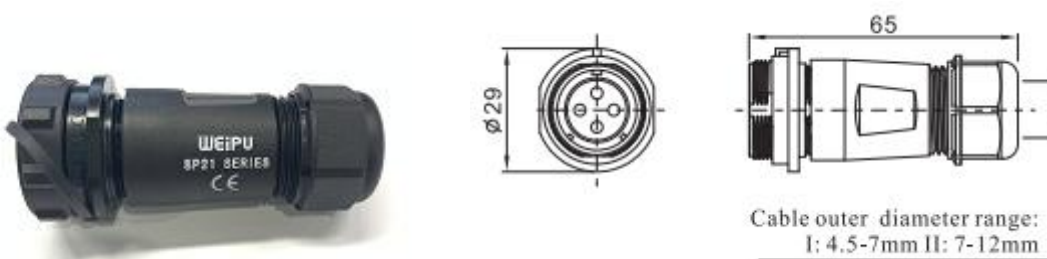
Number of contact	2	3	4	5	5B	5C	6	6B	7	8	9	12	15
Male contact face view													
Rated current (A)	30	30	30	30	30 5	15	25 5	30 5	15	10	5	5	5
Contact diameter (mm)	∅3X2	∅3X3	∅3X4	∅3X5	∅3X2 ∅1X3	∅2X5	∅2.5X4 ∅1X2	∅3X2 ∅1X4	∅2X7	∅1.5X10	∅1X9	∅1X12	∅1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200
Contact resistance (mΩ)	1	1	1	1	1 5	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm ² / AWG)	≤4/11	≤4/11	≤4/11	≤4/11	≤4/11 ≤0.75/18	≤2/14	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤2/14	≤2/14	<0.75/18	<0.75/18	<0.75/18
Wire size for screw termination (mm ² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/	/

5. Picture and Drawing

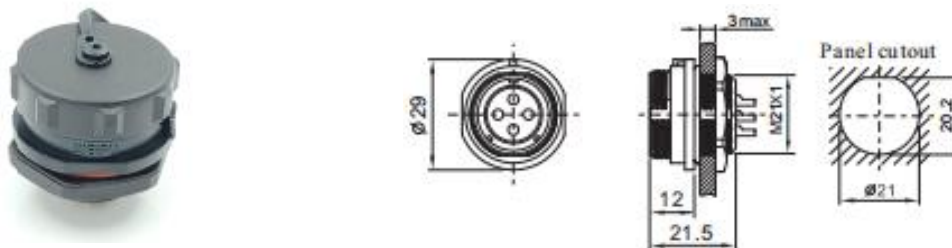
SP2110



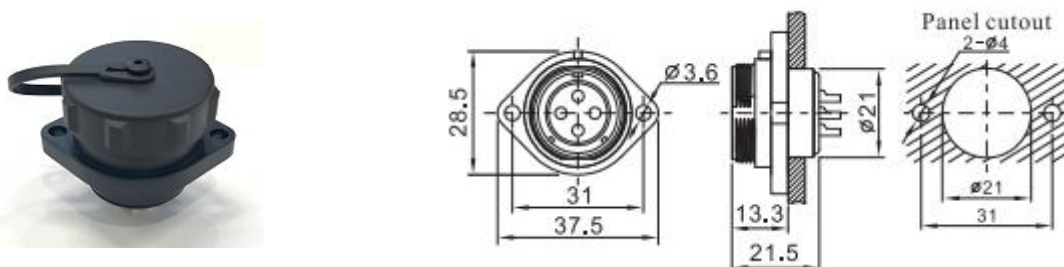
SP2111



SP2112



SP2113



6. Mating

SP2110/P mates with SP2111/S, SP2112/S and SP2113/S

SP2110/S mates with SP2111/P, SP2112/P and SP2113/P