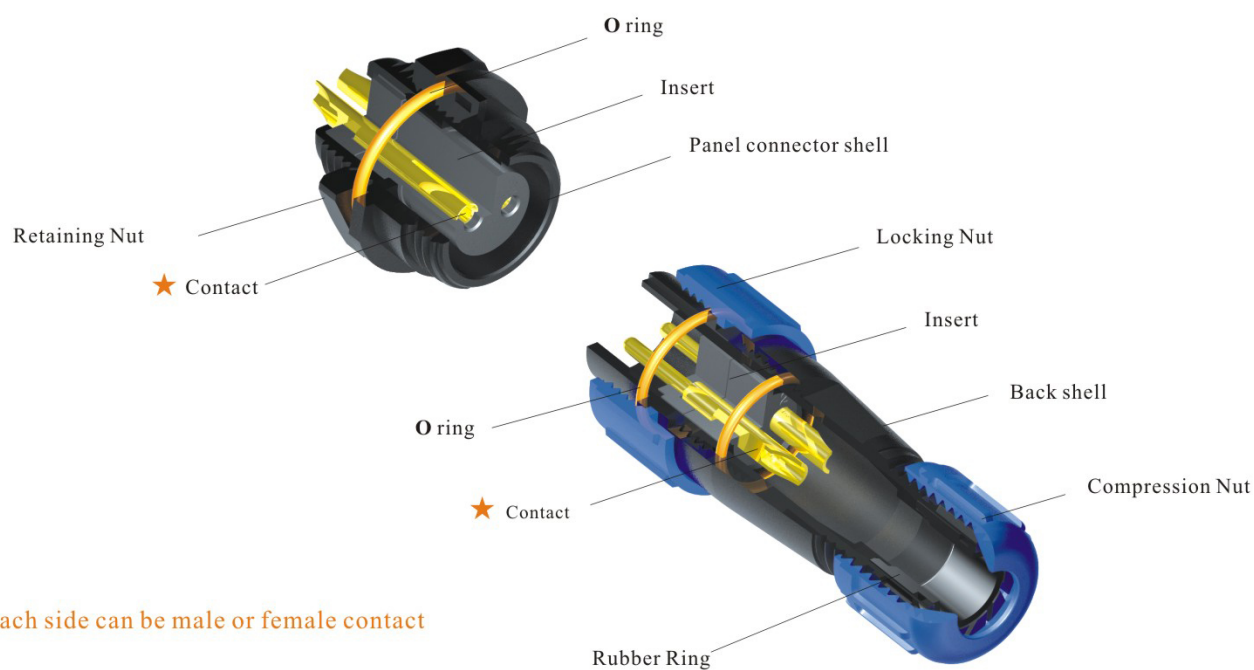




● SP13 & SP21 IP68 Threaded coupling



★ Each side can be male or female contact

Material and spec

Coupling	Threaded coupling			
Shell material	Nylon66 , fire resistance : V-0			
Insert material	PPS max temperature 260 °C			
Contact material	Brass with gold plating			
Termination	SP13: solder		SP21: solder / screw	
Cable outer diameter range	SP13	I: 4-6.5mm II: 5-8mm	SP21	I: 4.5-7mm II: 7-12mm
IP rating	IP68			
Mating cycle	>500			
Temperature range	-25°C ~ +85°C			
Insulation resistance MΩ	2000			

SP21 Series IP68

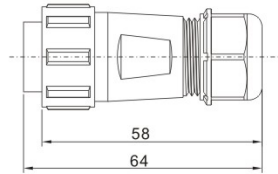
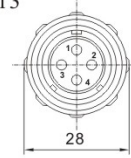


SP2110 / P —

SP2110 / S —

Cable connector

Mate with SP2111, SP2112, SP2113



Cable outer diameter: I : 4-7mm, II : 7-12mm
Number of contact: 2. 3. 4. 5. 5B. 7. 9. 12

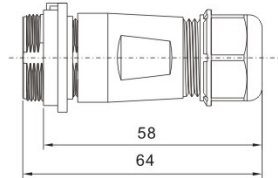
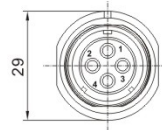


SP2111 / P —

SP2111 / S —

In-line cable connector

Mate with SP2110

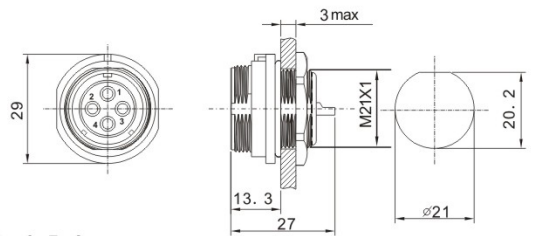


SP2112 / P —

SP2112 / S —

Rear mount

Mate with SP2110



Number of contact: 2. 3. 4. 5. 5B. 6. 7. 9

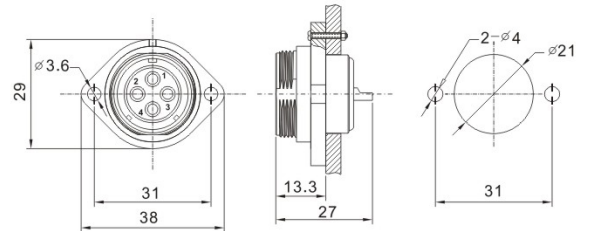


SP2113 / P —

SP2113 / S —

2-hole flange

Mate with SP2110



Contact arrangement and spec

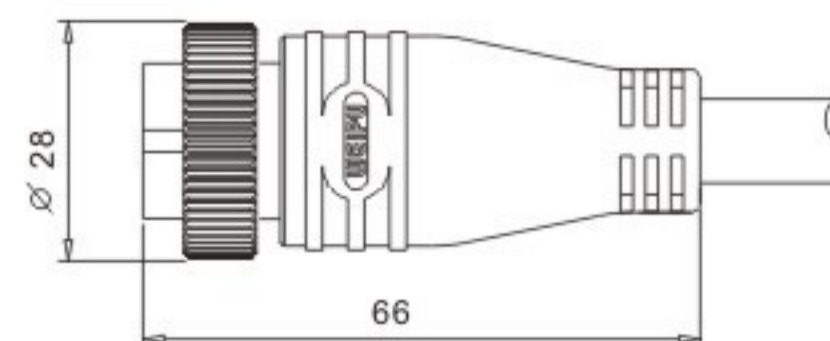
Number of contact	2	3	4	5	5B	7	9	12
Male contact face view								
Rated current (A)	30A	30A	30A	30A	5A. 30A	15A	5A	5A
Contact diameter	Ø 3X2	Ø 3X3	Ø 3X4	Ø 3X5	Ø 1X3 Ø 3X2	Ø 2X7	Ø 1X9	Ø 1X12
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder
Rated voltage (AC.V)	500V	500V	500V	500V	500V	500V	500V	400V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1200V
Contact resistance mΩ	1	1	1	1	5. 1	2.5	5	5
Wire size mm ² /AWG	≤4. 17/11	≤4. 17/11	≤4. 17/11	≤4. 17/11	≤0. 785/18 ≤4. 17/11	≤2/ 14	≤0. 785/ 18	≤0. 785/18

Overmolded Cable Assemblies: SP21 Series IP68



Single ended plug assembly

Mate with SP2111,SP2112,
SP2113,SP2115



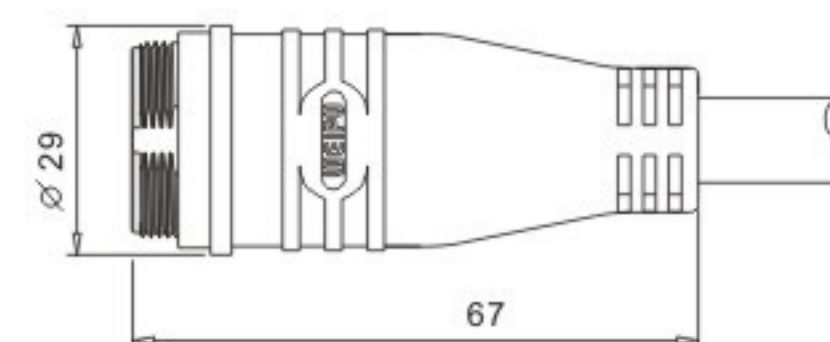
SP2114 / P— SP2114 / S—

Number of contact: 2. 3. 4. 5. 7. 9.12



Single ended in-line receptacle assembly

Mate with SP2110,SP2114



SP2115 / P— SP2115 / S—

Double ended extension assembly -plug & receptacle



Double ended plug assembly -plug & plug



Double ended in-line receptacle assembly -receptacle & receptacle



SP2114 / — + SP2115 / —

SP2114 / — + SP2114 / —

SP2115 / — + SP2115 / —

Number of contact: 2. 3. 4. 5. 7. 9.12
P:Male contact S:Female contact

The plugs and receptacles are available
with male contact or female contact

Contact arrangement and spec

Number of contact	2	3	4	5	5B	5C	7	9	12
Male contact face view									
Rated current (A)	20A	20A	20A	20A	4A. 20A	12A	12A	4A	4A
Contact diameter	Ø 3X2	Ø 3X3	Ø 3X4	Ø 3X5	Ø 1X3 Ø 3X2	Ø 2X5	Ø 2X7	Ø 1X9	Ø 1X12
Rated voltage (AC.V)	500V	500V	500V	500V	500V	500V	500V	500V	400V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1200V
Contact resistance mΩ	1	1	1	1	5.1	2.5	2.5	5	5
Wire size mm ² /AWG	≤ 2.5	≤ 2.5	≤ 2.5	≤ 2.5	≤ 0.5 ≤ 2.5	≤ 1.5	≤ 1.5	≤ 0.5	≤ 0.5
Cable Color	1- black 2- white 3- red	4- yellow 5- green 6- brown	7- blue 8- orange 9- purple	10- gray 11- pink 12- aqua					