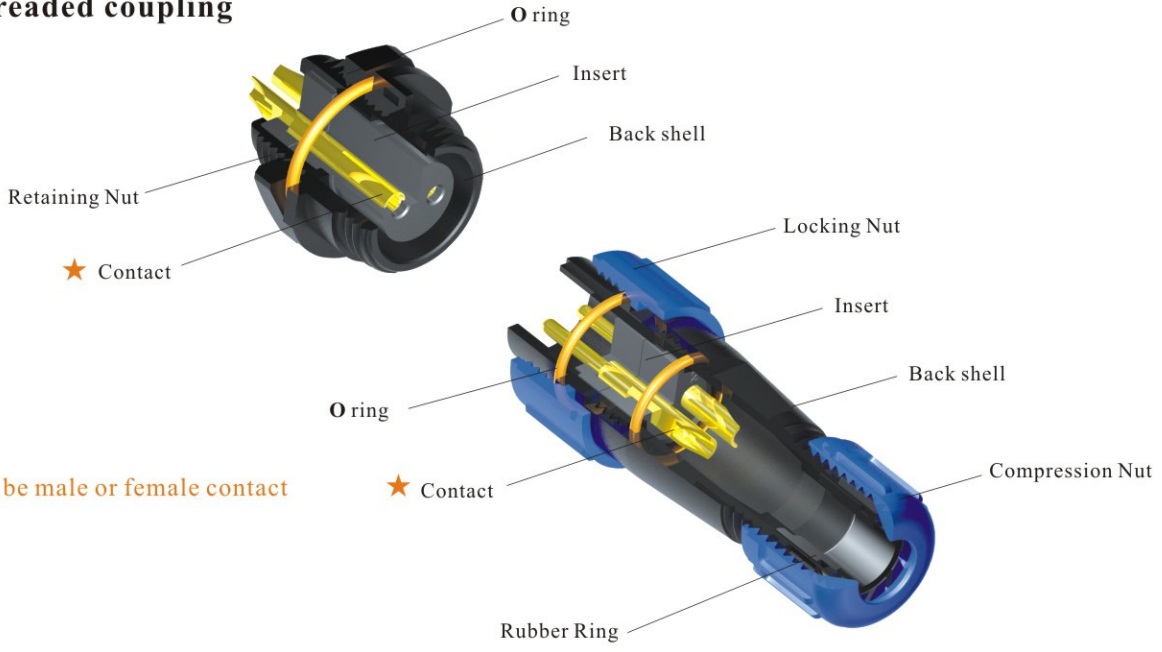


**IP68**



● **IP68 Threaded coupling**



★ Each side can be male or female contact

**Material and spec**

Product model	Connector	Overmolded Cable Assemblies
Coupling	Threaded coupling	Threaded coupling
Shell material	Nylon66, fire resistance : V-0	PC、PVC,fire resistance:V-0;Anodizing Aluminium Proess
Insert material	PPS max temperature 260 °C	PPS max temperature 260 °C
Contact material	Brass with gold plating	Brass with gold plating
Termination	SP13:solder, SP17:solder, SP21:solder / screw	
Cable outer diameter range	SP13 I: 4-6.5mm SP13 II: 5-8mm SP17 : 6-10mm SP21 I: 4.5-7mm SP21 II: 7-12mm	
IP rating	IP68	IP68
Mating cycle	>500	>500
Temperature range	-25°C ~ +85°C	-20°C ~ +85°C
Insulation resistance MΩ	2000	2000

**Cable connector**  
Mate with SP1311, SP1312

SP1310 / P — SP1310 / S

Cable outer diameter: I : 4-6.5mm , II : 5-8mm  
Number of contact: 2. 3. 4. 5. 6. 7. 9

**In-line cable connector**  
Mate with SP1310

SP1311 / P — SP1311 / S

Cable outer diameter: I : 4-6.5mm , II : 5-8mm

**Front mount**  
Mate with SP1310

SP1312 / P — SP1312 / S

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

**Contact arrangement and spec**

Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13A	13A	5A	5A	5A	5A	3A
Contact diameter	∅ 1.6X2	∅1.6X3	∅ 1X4	∅1X5	∅ 1X6	∅ 1X7	∅ 0.7X9
Rated voltage (AC.V)	250V	250V	200V	180V	125V	125V	125V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1000V	1000V	1000V	1000V
Contact resistance mΩ	2	2	5	5	5	5	10
Wire size mm <sup>2</sup> /AWG	≤2/14	≤2/14	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18