

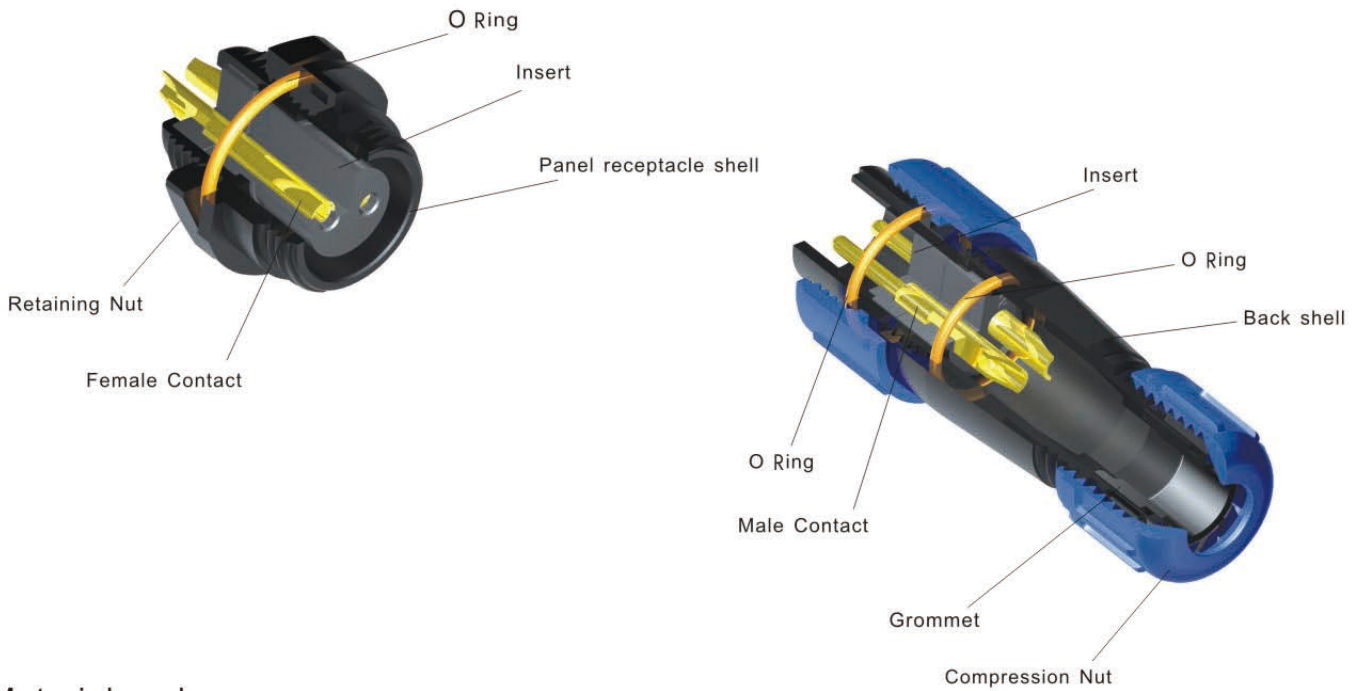
CIRCULAR CONNECTORS SERIES

SP
13、21



IP68 Plastic Connectors with threaded coupling

SP series circular connector meets the requirements of IP68, it works reliably indoor, outdoor and under water harsh environment applications. Patent pending



Material and spec

Back shell	V-0 Fire resistance V-0		
Insert material	Temperature range 260°C		
Contact material	brass		
Contact plating	gold over nickel		
Contact termination style	solder		
Cable OD range	SP13 Type I 3-6.5mm	SP13 Type II 4-8mm	SP21 6-12mm
IP rating	IP68		
Mating cycle	> minimum 500 times		
Temperature range	-40+85 °C		
Humidity	+40°C 95±3%		
Vibration	10 - 500Hz	100m/S	
Shock	40 - 80/min	250m/S	

SP13 Series

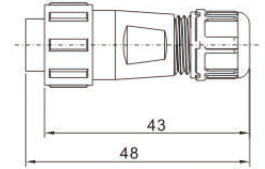
**SP
13**



SP1310/P ❖

SP1310/S ❖

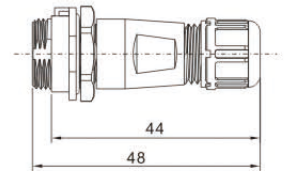
This item mates with
SP1311, SP1312
Threaded coupling
Solder termination



SP1311/P ❖

SP1311/S ❖

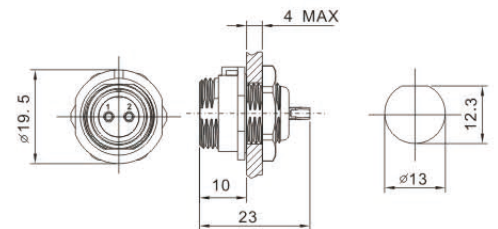
This item mates with
SP1310,
Threaded coupling
Solder termination



SP1312/P ❖

SP1312/S ❖

This item mates with
SP1310,
Threaded coupling
Solder termination



Insert configuration, face view of female

Pin Number	2	3	3	4	5	6	7
Insert configuration							
	2pole	3pole	3pole	4pole	5pole	6pole	7pole
Rated current A	13A	13A	5A	5A	5A	5A	5A
Size and No. of contact	∅ 1.6X2	∅1.6X3	∅1X3	∅ 1X4	∅1X5	∅1X6	∅ 1X7
Rated voltage (AC.V. rms)	250V	250V	250V	200V	180V	125V	125V
Test voltage (AC.V) 1min	1500V	1500V	1500V	1500V	1000V	1000V	1000V
Contact resistance mΩ	2	2	5	5	5	5	5
Insulation resistance mΩ	2000	2000	2000	2000	2000	2000	2000
Wire size mm ² /AWG	≤2/14	≤2/14	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18