

IP 68

05

- SP Series IP68
- Threaded coupling



★ Each side can be male or female contact

Material and spec

Coupling	Threaded	
Shell material	PC, Nylon66, fire resistance: V-0	
Insert material	PPS, max temperature 260 ℃; Insert material: PA66(New Screw)	
Contact material	Brass with gold plating	
Termination	Solder: SP11, SP13, SP17, SP21, SP25, SP29, Crimp: SP17, SP21, SP25, SP29 Screw: SP17, SP21, SP25, SP29 (Ø2.0, Ø2.5, Ø3, Ø3.5mm contact)	
Cable outer diameter range	SP11: I: 3-4mm, II: 4-6.5mm SP17: 6-10mm SP25: I: 10-14mm, II: 7-12mm	SP13: I: 4-6.5mm, II: 5-8mm SP21: I: 4.5-7mm, II: 7-12mm, III: 5-9mm SP29: I: 9-13mm, II: 13-16mm
IP rating	IP68	
Mating cycle	500	
Temperature range	-40℃~+85℃	
Insulation resistance	2000 MΩ	

SP25 Series



**SP
25**



SP2510 / P

SP2510 / S

Male contact

Cable connector
Mate with SP2511, SP2511C,
SP2512, SP2513

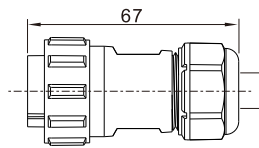
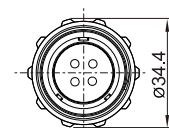
1:solder, 2:screw, 3:crimp

Cable outer diameter range

I: 10-14mm ; II: 7-12mm

Number of contact

Female contact



I: 10 14mm
II: 7-12mm

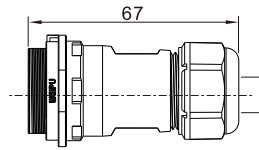
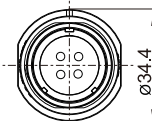
Cable outer diameter range



SP2511C / P

SP2511C / S

In-line cable connector C
Mate with SP2510



I: 10 14mm
II: 7-12mm

Cable outer diameter range



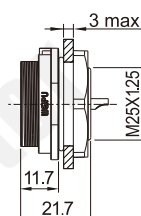
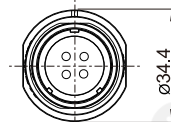
SP2512 / P

SP2512 / S

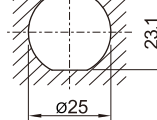
Rear-nut mount
Mate with SP2510

1:solder, 2:screw, 3:crimp

Number of contact



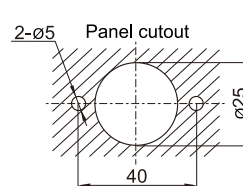
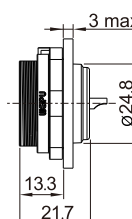
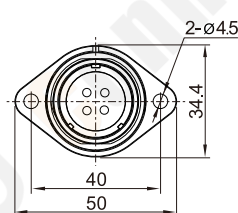
Panel cutout



SP2513 / P

SP2513 / S

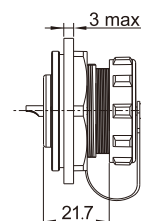
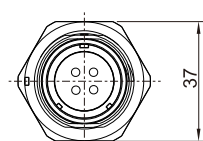
2-hole flange
Mate with SP2510



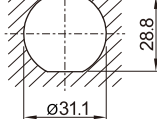
SP2515 / P

SP2515 / S

Front-nut mount
Mate with SP2510



Panel cutout



Solder contact spec

★Crimp contact spec see P20

★Screw contact spec see P21

Number of contact	2	3	4	9	10	12	12B	19
Male contact face view								
Rated current (A)	25	25	25	5 25	10	10	5 30	5
Contact diameter(mm)	ø2.5X2	ø2.5X3	ø2.5X4	ø1X5 ø2.5X4	ø1.5X10	ø1.5X12	ø1X9 ø3X3	ø1X19
Rated voltage (AC.V)	500	500	500	500	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200
Contact resistance(mΩ)	1	1	1	5 1	2.5	2.5	5 1	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/AWG)	≤4/11	≤4/11	≤4/11	≤0.75/18 ≤4/11	≤2/14	≤2/14	≤0.75/18 ≤4/11	≤0.75/18