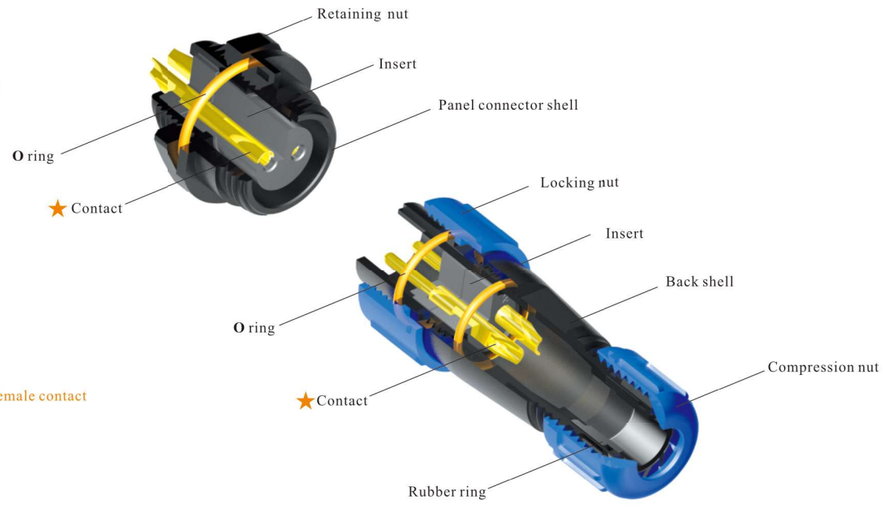
- **SP Series IP68**
- **Threaded coupling**



★ Each side can be male or female contact

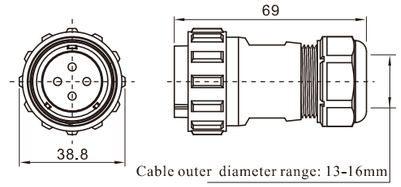
Material and spec

Coupling	Threaded
Shell material	PC, Nylon66, fire resistance: V-0
Insert material	PPS, max temperature 260 ℃
Contact material	Brass with gold plating
Termination	Solder: SP13, SP17, SP21, SP29 Crimp: SP17, SP21, SP29 Screw: SP21, SP29 (ø2.5,ø3,ø3.5mm contact)
Cable outer diameter range	SP11: 4-6.5 SP13 I: 4-6.5mm, II: 5-8mm SP17: 6-10mm SP21: I: 4.5-7mm, II: 7-12mm SP29: 13-16mm
IP rating	IP68
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance	2000 MΩ

SP29 Series

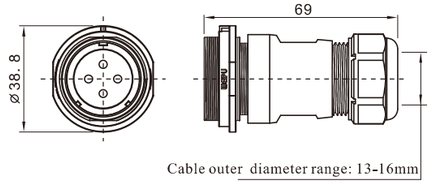
SP 29

Cable connector
Mate with SP2911,SP2912,SP2913



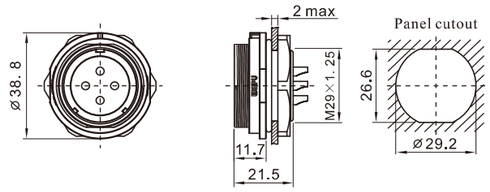
SP2910 / P__-__N Male contact
SP2910 / S__-__N Female contact
1:solder, 2:screw, 3:crimp
Number of contact

In-line cable connector
Mate with SP2910



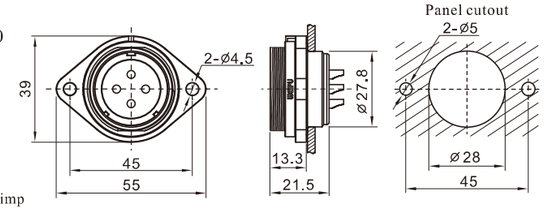
SP2911 / P__-__ __ Number of contact
SP2911 / S__-__ __
C:with cap
N:without cap
1:solder, 2:screw, 3:crimp

Rear-nut mount
Mate with SP2910



SP2912 / P__-__ __ Number of contact
SP2912 / S__-__ __
C:with cap
N:without cap
1:solder, 2:screw, 3:crimp

2-hole flange
Mate with Sp2910



SP2913 / P__-__ __ Number of contact
SP2913 / S__-__ __
C:with cap
N:without cap
1:solder, 2:screw, 3:crimp

Solder contact spec

★Crimp contact spec see P107-P110 ★Screw contact spec see P111-P112

Number of contact	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60、5	25、5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	ø3.5X2	ø3.5X3	ø2.5X4	ø2.5X7	ø2.5X8	ø5X2 ø1X6	ø2.5X4 ø1X5	ø2.5X10	ø1.5X10	ø1.5X12	ø1.5X16	ø1.5X17	ø1X20	ø1X24	ø1X26	ø1X35
Rated voltage (AC.V)	500	500	500	500	500	500 400	500	500	500	500	500	500	400	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200	1200
Contact resistance(mΩ)	0.5	0.5	1	1	1	5、0.5	1、5	1	2.5	2.5	2.5	2.5	5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size (mm²/AWG)	≤10 / 7	≤10 / 7	≤4 / 11	≤4 / 11	≤4 / 11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4 / 11	≤2 / 14	≤2 / 14	≤2 / 14	≤2 / 14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/