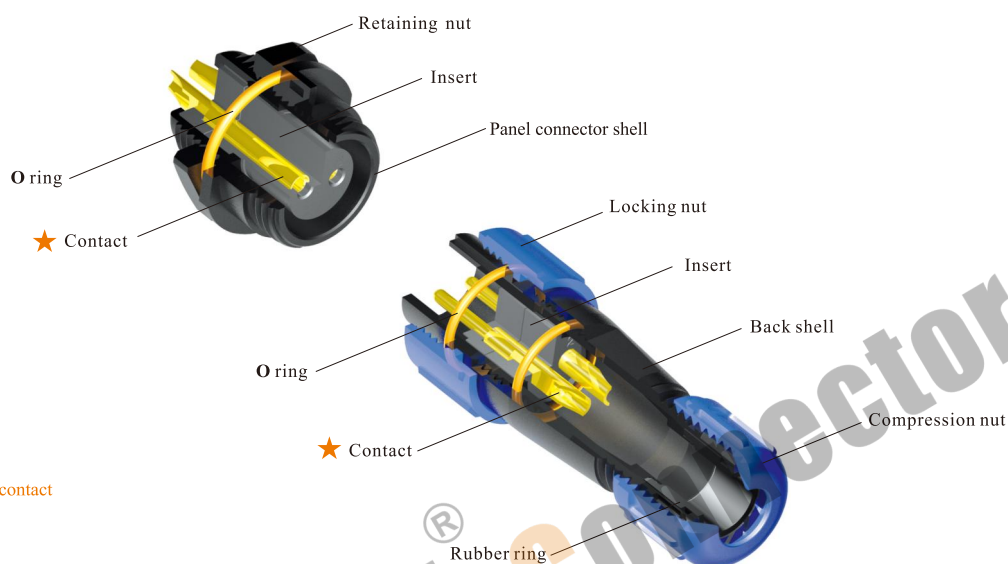


IP68



07

● Part Section Showing Internal Components



★ Each side can be male or female contact

Material and spec

Coupling	Threaded	
Shell material	PC, PA66, fire resistance: V-0	
Insert material	PPS, max temperature 260 °C PA66, max temperature 125°C (Only for horizontal mount screw of SP13/SP17/SP21Series)	
Contact material	Brass with gold plating	
Termination	Solder: SP11, SP13, SP17, SP21, SP25, SP29 Crimp: SP17, SP21, SP25, SP29 Screw: SP13/SP17, SP21, SP25, SP29(Ø2, Ø2.5, Ø3, Ø3.5mm contact)	
Cable outer diameter range	SP11: I: 3-4mm, II: 4-6.5mm SP17: I: 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 (mated)	
Mating cycle	500	
Working temperature range	-40°C ~ +85°C	
Insulation resistance	2000 MΩ	

SP13 Series



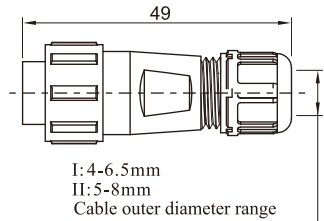
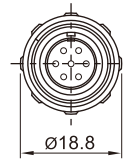
SP1310 / P

SP1310 / S

Male contact

Cable connector
Mate with SP1311,
SP1311C, SP1312, SP1315

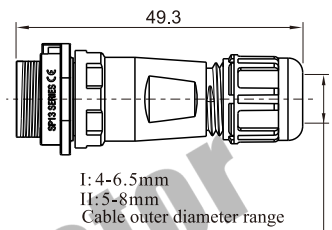
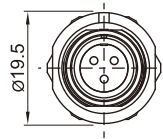
Cable outer diameter range
I: 4-6.5mm, II: 5-8mm
Number of contact
Female contact



SP1311C / P

SP1311 C / S

In-line cable connector C
Mate with SP1310

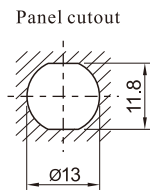
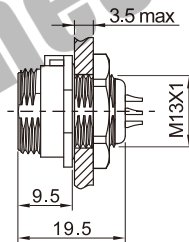
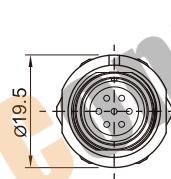


SP1312 / P

SP1312 / S

Rear-nut mount
Mate with SP1310

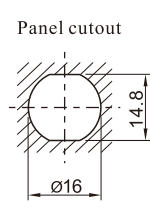
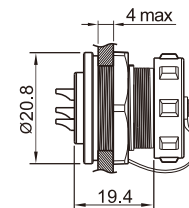
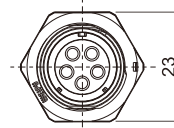
Number of contact



SP1315/ P

SP1315 / S

Front-nut mount
Mate with SP1310



Solder contact spec

Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter (mm)	Ø1.6X2	Ø1.6X3	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
Wire size (mm ² / AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20



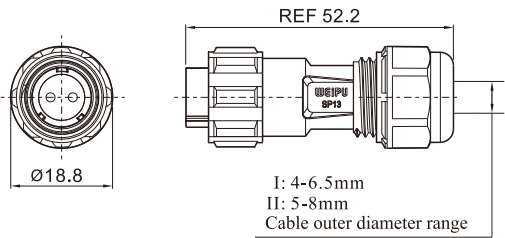
SP13 Series



SP1310 / P-9

Number of contact
Male contact

Plug with horizontal mount screw
Mate with SP1311, SP1312



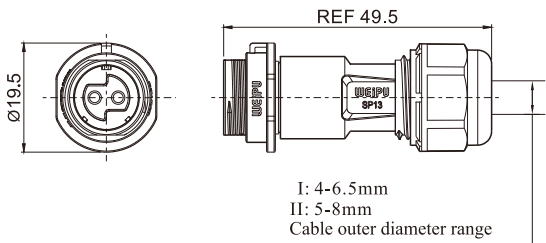
07



SP1311 / S-9

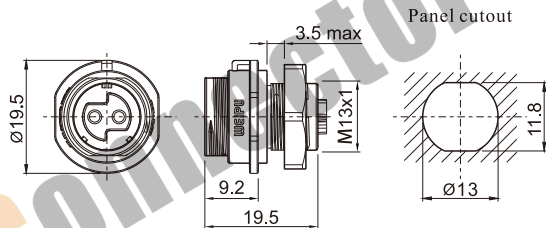
Female contact

Connector with horizontal mount screw
Mate with SP1310



SP1312 / S-9

Rear-nut mount receptacle with horizontal mount screw
Mate with SP1310



Allen Key size: 1.3



Allen Key size: 0.9

Screw contact spec

Number of contact	2	3	4
Male contact face view			
Rated current (A)	13	13	5
Contact diameter(mm)	Ø1.6X2	Ø1.6X3	Ø1X4
Rated voltage (AC.V)	250	250	200
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance (mΩ)	2.5	2.5	5
Wire size (mm²/AWG)	Min: 0.75/18 Max: 1.5/16	Min: 0.75/18 Max: 1.5/16	Min: 0.4/21 Max: 0.75/18

SP13 Series



SP1310 / P

SP1310 / S

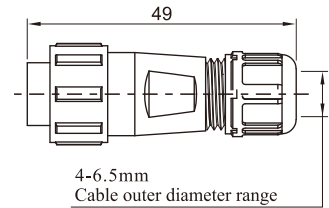
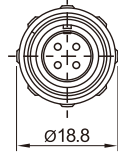
Male contact

Cable connector
Mate with SP1311, SP1312, SP1315

(CU):
Colour: All black

Number of contact

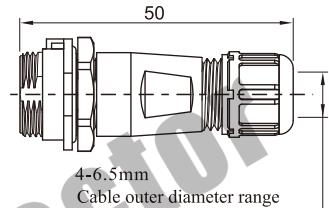
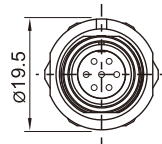
Female contact



SP1311 / P

SP1311 / S

In-line cable connector
Mate with SP1310

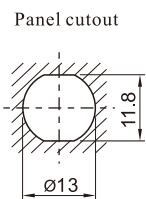
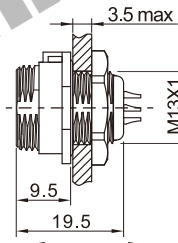
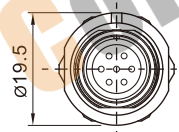


SP1312 / P

SP1312 / S

Rear-nut mount
Mate with SP1310

(CU):
Number of contact

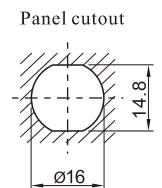
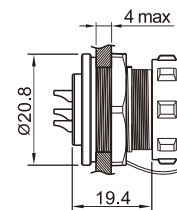
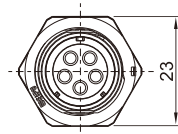


SP1315 / P

SP1315 / S

Front-nut mount
Mate with SP1310

(CU):
Number of contact



Solder contact spec

Number of contact	4	5	6	7	9
Male contact face view					
Rated current (A)	5	5	5	5	3
Contact diameter (mm)	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
Rated voltage (AC.V)	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1000	1000	1000	1000
Contact resistance (mΩ)	5	5	5	5	10
Wire size (AWG)	18	18	18	18	20