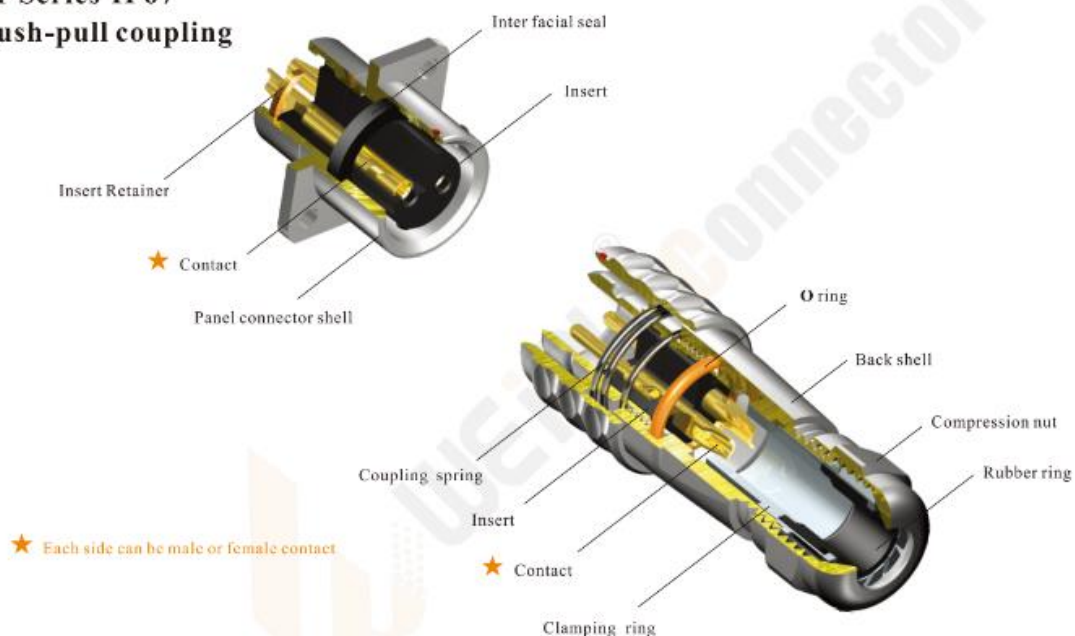




- SF Series IP67
- Push-pull coupling



Material and spec

Coupling	Push-pull
Shell material	Brass with chrome plating
Insert material	PPS max temperature 260 °C
Contact material	Brass with gold plating
Termination	Solder: SF6, SF8, SF10, SF12, SF16, SF20 Crimp: SF16, SF20 Screw: SF20 (Ø2.5mm contact)
Cable outer diameter range	SF6: I: 2-3mm, II: 3-4mm SF12: I: 4-6.5mm, II: 5-8mm SF8: I: 3-4mm, II: 4-5mm SF16: I: 5-8mm, II: 8-12mm SF10: I: 3-4mm, II: 4-6.5mm SF20: I: 5-9mm, II: 8-12mm
IP rating	IP67
Mating cycle	500
Temperature range	-40 °C ~ +85 °C
Insulation resistance	2000MΩ

SF12 Series



Cable connector
Mate with SF1211, SF1212,
SF1213, SF1215

**SF
12**

SF1210 / P

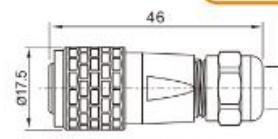
SF1210 / S

Male contact

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

Number of contact

Female contact



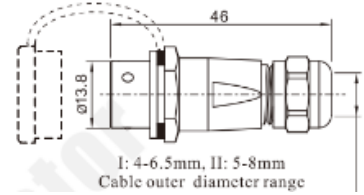
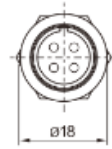
I: 4-6.5mm, II: 5-8mm
Cable outer diameter range

BN	Model	Contact	Number of contacts	Cable outer diameter
715739	SF1210/P2I-1-RE	Male	2	4-6.5 mm
715755	SF1210/P3I-1-RE		3	4-6.5 mm
715770	SF1210/P4I-1-RE		4	4-6.5 mm
715784	SF1210/P5II-1-RE		5	5-8 mm
715800	SF1210/P6II-1-RE		6	5-8 mm
715815	SF1210/P7II-1-RE		7	5-8 mm
715830	SF1210/P9II-1-RE		9	5-8 mm
715846	SF1210/S2I-1-RE	Female	2	4-6.5 mm
715863	SF1210/S3I-1-RE		3	4-6.5 mm
715882	SF1210/S4I-1-RE		4	4-6.5 mm
715899	SF1210/S5II-1-RE		5	5-8 mm
715917	SF1210/S6II-1-RE		6	5-8 mm
715933	SF1210/S7II-1-RE		7	5-8 mm
715949	SF1210/S9II-1-RE		9	5-8 mm

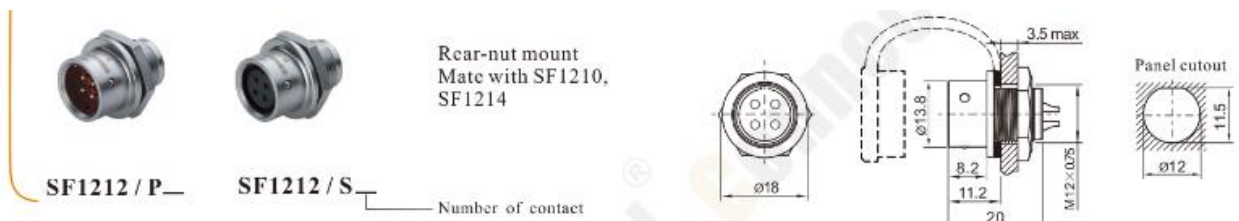


In-line cable connector
Mate with SF1210, SF1214

SF1211/P__ SF1211/S__



BN	Model	Contact	Number of contacts	Cable outer diameter
715969	SF1211/P2I-1-RE	Male	2	4-6.5 mm
715985	SF1211/P3I-1-RE		3	4-6.5 mm
716001	SF1211/P4I-1-RE		4	4-6.5 mm
716019	SF1211/P5II-1-RE		5	5-8 mm
716035	SF1211/P6II-1-RE		6	5-8 mm
716071	SF1211/P9II-1-RE		9	5-8 mm
716087	SF1211/S2I-1-RE	Female	2	4-6.5 mm
716104	SF1211/S3I-1-RE		3	4-6.5 mm
716120	SF1211/S4I-1-RE		4	4-6.5 mm
716140	SF1211/S5II-1-RE		5	5-8 mm
716156	SF1211/S6II-1-RE		6	5-8 mm
716173	SF1211/S7II-1-RE		7	5-8 mm
716190	SF1211/S9II-1-RE		9	5-8 mm



BN	Model	Contact	Number of contacts
716206	SF1212/P2-1-RE	Male	2
716225	SF1212/P3-1-RE		3
716244	SF1212/P4-1-RE		4
716261	SF1212/P5-1-RE		5
716277	SF1212/P6-1-RE		6
716293	SF1212/P7-1-RE		7
716313	SF1212/P9-1-RE		9
716329	SF1212/S2-1-RE	Female	2
716344	SF1212/S3-1-RE		3
716360	SF1212/S4-1-RE		4
716375	SF1212/S5-1-RE		5
716392	SF1212/S6-1-RE		6
716408	SF1212/S7-1-RE		7
716424	SF1212/S9-1-RE		9



SF1213 / S__

Technical drawing of the 100mm x 100mm x 10mm panel showing front, side, and panel cutout views with dimensions.

- Front View:** A square panel with a side length of 100mm (18 + 13 + 13 + 18). It features a central circular hole with a diameter of $\varnothing 2.3$ and four corner mounting holes with a diameter of $\varnothing 2.3$. The distance from the center to each corner hole is 13mm.
- Side View:** Shows the panel's thickness of 10mm. The total width of the mounting flange is 20mm. The distance from the center of the panel to the center of the mounting flange is 13.8mm. The mounting flange has a diameter of $\varnothing 11.9$ and a thickness of 10mm.
- Panel Cutout View:** A circular cutout with a diameter of $\varnothing 12$. It shows the four corner mounting holes with a diameter of $\varnothing 2.3$ and a distance of 13mm from the center to each hole.

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