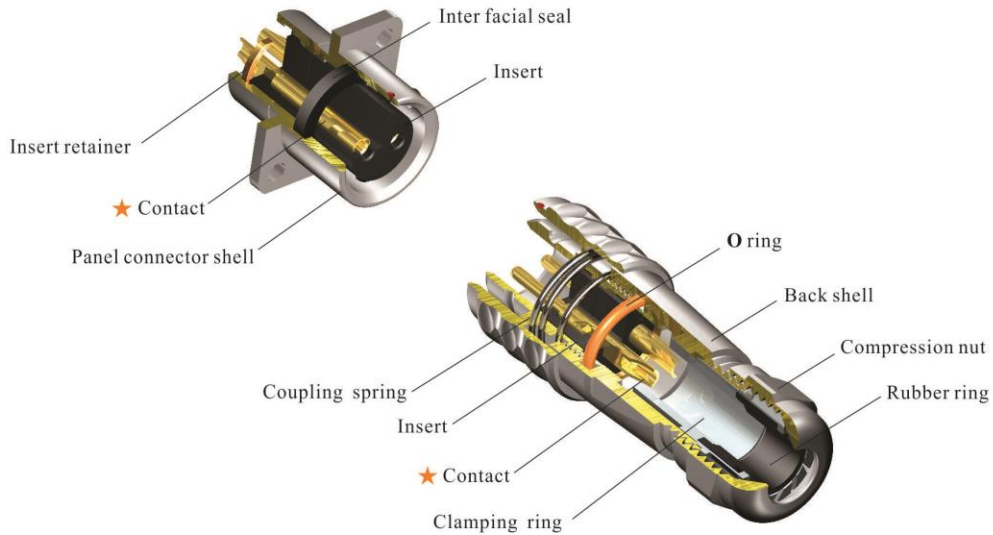






- SF Series Ip44 / IP67
- Push-pull




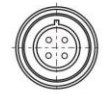
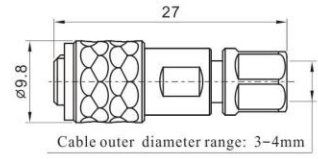
★ Each side can be male or female contact

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)
IP rating	SF6, SF8: IP44 / IP67 SF10, SF12, SF16, SF20: IP67
Mating cycle	500
Temperature range	-40°C~+85°C
Insulation resistance (MΩ)	2000

SF6 Series IP44



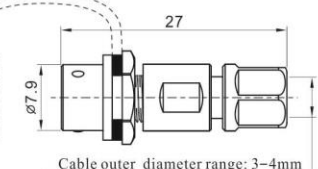
Cable connector
Mate with SF611, SF612

SF610/P **SF610/S**



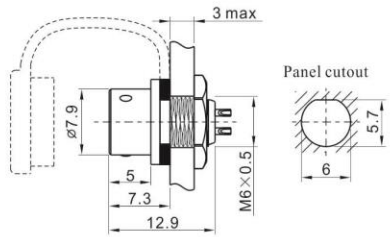
Male contact Number of contact
Female contact

In-line cable connector
Mate with SF610

SF611/P **SF611/S**





Rear-nut mount
Mate with SF610

SF612/P **SF612/S**

Number of contact

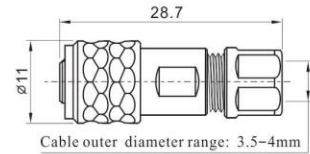
Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter (mm)	0.6	0.6	0.6	0.6
Rated voltage (AC.V)	30	30	30	30
Test voltage(AC.V) 1 min	500	500	500	500
Contact resistance (mΩ)	10	10	10	10
Wire size (mm ² /AWG)	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20

SF6 Series IP67



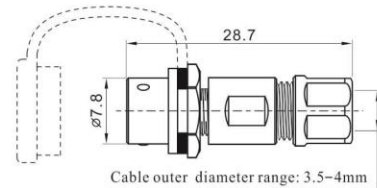
Cable connector
Mate with SF611B, SF612B



SF610B/P — **SF610B/S** —
Male contact — Number of contact
Female contact



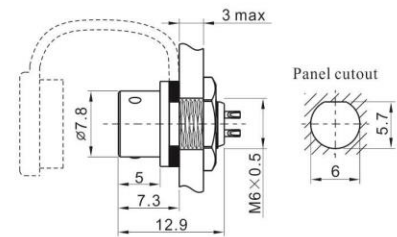
In-line cable connector
Mate with SF610B



SF611B/P — **SF611B/S** —



Rear-nut mount
Mate with SF610B



SF612B/P — **SF612B/S** —
Number of contact

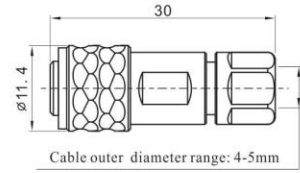
Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter (mm)	0.6	0.6	0.6	0.6
Rated voltage (AC.V)	30	30	30	30
Test voltage(AC.V) 1 min	500	500	500	500
Contact resistance (mΩ)	10	10	10	10
Wire size (mm ² /AWG)	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20

SF8 Series IP44



Cable connector
Mate with SF811, SF812



SF810/P_

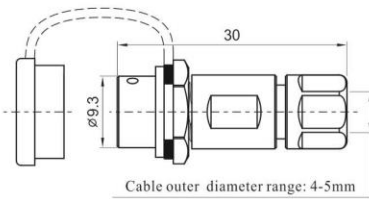
SF810/S_

Male contact

Number of contact
Female contact



In-line cable connector
Mate with SF810

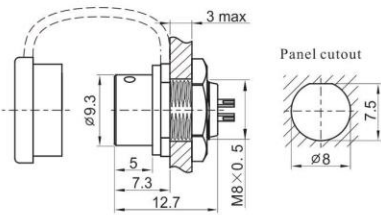


SF811/P_

SF811/S_



Rear-nut mount
Mate with SF810



SF812/P_

SF812/S_

Number of contact

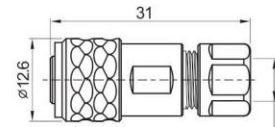
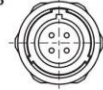
Solder contact spec

Number of contact	2	3	4	6	8
Male contact face view					
Rated current (A)	5	5	3	3	3
Contact diameter (mm)	1	1	0.6	0.6	0.6
Rated voltage (AC.V)	125	125	30	30	30
Test voltage(AC.V) 1 min	1000	1000	500	500	500
Contact resistance (mΩ)	5	5	10	10	10
Wire size (mm ² / AWG)	≤ 0.75/18	≤ 0.75/18	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20

SF8 Series IP67



Cable connector
Mate with SF811B, SF812B



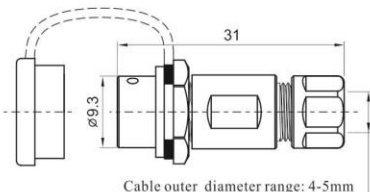
SF810B/P_

SF810B/S_

Male contact Number of contact
Female contact



In-line cable connector
Mate with SF810B

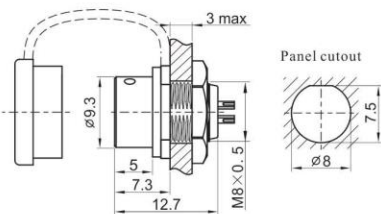


SF811B/P_

SF811B/S_



Rear-nut mount
Mate with SF810B



SF812B/P_

SF812B/S_

Number of contact


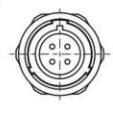
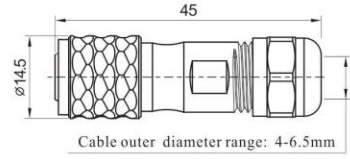
Solder contact spec

Number of contact	2	3	4	6	8
Male contact face view					
Rated current (A)	5	5	3	3	3
Contact diameter (mm)	1	1	0.6	0.6	0.6
Rated voltage (AC.V)	125	125	30	30	30
Test voltage(AC.V) 1 min	1000	1000	500	500	500
Contact resistance (mΩ)	5	5	10	10	10
Wire size (mm ² / AWG)	≤ 0.75/18	≤ 0.75/18	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20

SF10

SF10 Series IP67

Cable connector
Mate with SF1011, SF1012



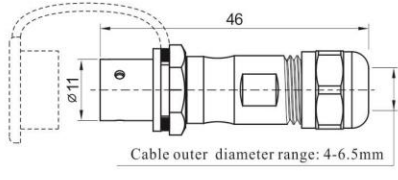




SF1010 / P **SF1010 / S**

Male contact Number of contact
Female contact

Cable outer diameter range: 4-6.5mm



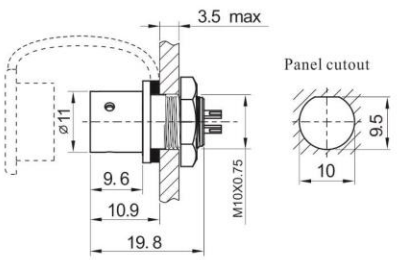
In-line cable connector
Mate with SF1010

SF1011 / P **SF1011 / S**

Cable outer diameter range: 4-6.5mm

Rear-nut mount
Mate with SF1010









SF1012 / P **SF1012 / S**

Number of contact

Panel cutout

Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter (mm)	1	1	0.7	0.7
Rated voltage (AC.V)	180	180	125	125
Test voltage(AC.V) 1 min	1000	1000	1000	1000
Contact resistance (mΩ)	5	5	10	10
Wire size (mm ² /AWG)	≤ 0.75/18	≤ 0.75/18	≤ 0.5/20	≤ 0.5/20

SF12 Series IP67

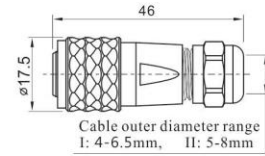
**SF
12**



SF1210 / P_ — SF1210 / S_

Cable connector
Mate with SF1211, SF1212,
SF1213

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

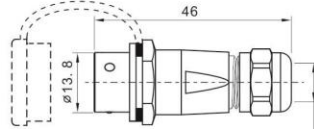


Cable outer diameter range
I: 4-6.5mm, II: 5-8mm



SF1211 / P_ — SF1211 / S_ —

In-line cable connector
Mate with SF1210



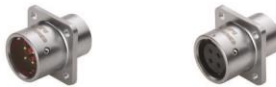
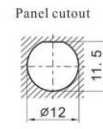
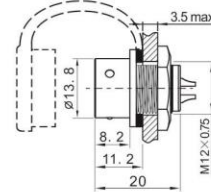
Cable outer diameter range
I: 4-6.5mm, II: 5-8mm



SF1212 / P_ — SF1212 / S_

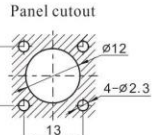
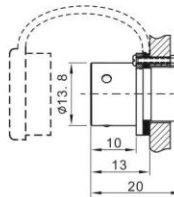
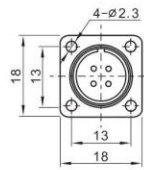
Rear-nut mount
Mate with SF1210

Number of contact



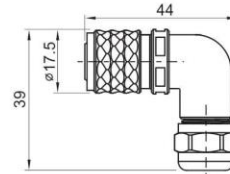
SF1213 / P_ — SF1213 / S_ —

Square flange
Mate with SF1210



SF1214 / P_ II SF1214 / S_ II

Angled cable connector
Mate with SF1211, SF1212, SF1213



Cable outer diameter range: II: 5-8mm

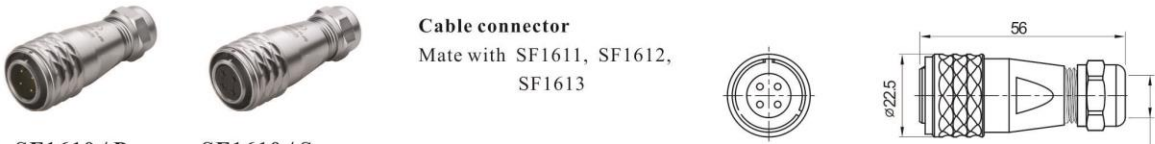
Solder contact spec

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)	1.6	1.6	1	1	1	1	0.7
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

SF16

SF16 Series IP67

Cable connector
Mate with SF1611, SF1612, SF1613

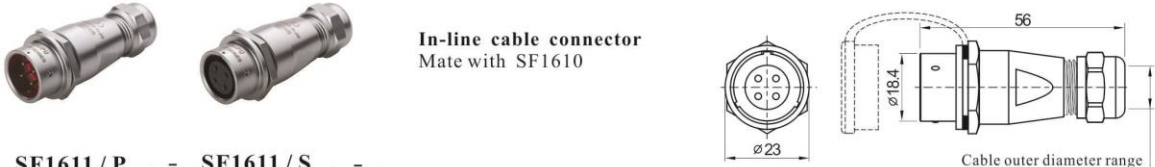


SF1610 / P --- SF1610 / S
Number of contact

1: solder, 3: crimp
Cable outer diameter
I: 5-8mm, II: 8-12mm

Technical drawings show a front view with 4 contacts, a side view with dimensions: length 56mm, cable diameter $\phi 22.5$, and a cable outer diameter range of I: 5-8mm, II: 8-12mm.

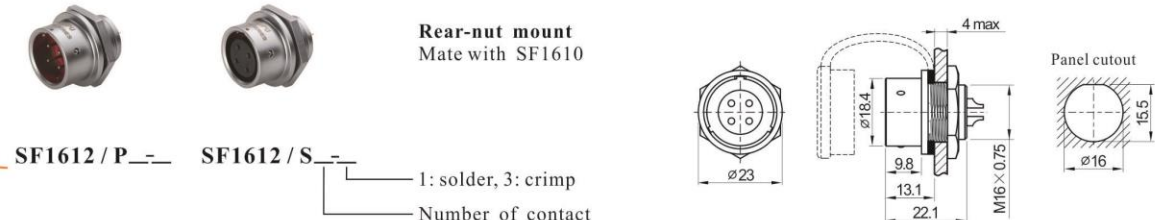
In-line cable connector
Mate with SF1610



SF1611 / P --- SF1611 / S ---

Technical drawings show a front view with 4 contacts and a side view with dimensions: length 56mm, cable diameter $\phi 18.4$, and a cable outer diameter range of I: 5-8mm, II: 8-12mm.

Rear-nut mount
Mate with SF1610

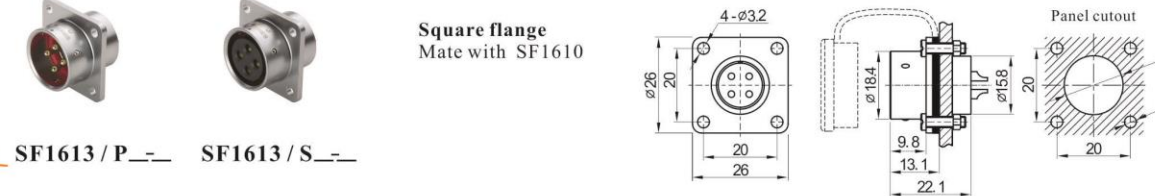


SF1612 / P --- SF1612 / S ---
Number of contact

1: solder, 3: crimp

Technical drawings show a front view with 4 contacts, a side view with dimensions: length 22.1mm, cable diameter $\phi 18.4$, and a panel cutout diameter of $\phi 16$.

Square flange
Mate with SF1610










SF1613 / P --- SF1613 / S ---

Technical drawings show a front view with 4 contacts and a side view with dimensions: length 22.1mm, cable diameter $\phi 18.4$, and a panel cutout diameter of $\phi 16$.

Solder contact spec

★ Crimp contact spec see page 89-92

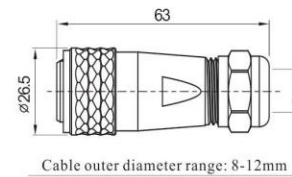
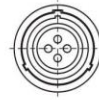
Number of contact	2	3	4	5	7	9	10
Male contact face view							
Rated current (A)	10	10	5	5	5	5	5
Contact diameter (mm)	1.5	1.5	1	1	1	1	1
Rated voltage (AC.V)	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	5
Wire size (mm ² / AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

SF20 Series IP67

**SF
20**



Cable connector
Mate with SF2011, SF2012,
SF2013



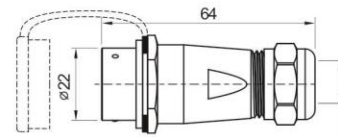
SF2010 / P_-- SF2010 / S_--

Number of contact: 1: solder, 2: screw, 3: crimp

Cable outer diameter range: 8-12mm



In-line cable connector
Mate with SF2010

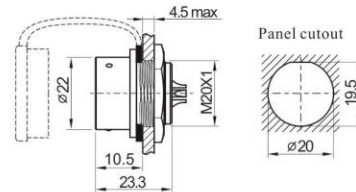


SF2011 / P_-- SF2011 / S_--

Cable outer diameter range: 8-12mm



Rear-nut mount
Mate with SF2010

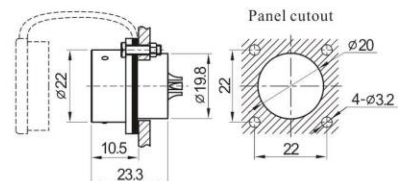
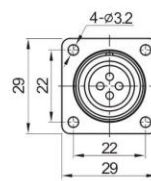


SF2012 / P_-- SF2012 / S_--

Number of contact: 1: solder, 2: screw, 3: crimp



Square flange
Mate with SF2010



SF2013 / P_-- SF2013 / S_--

Solder contact spec

★ Crimp contact spec see page 89-92

Number of contact	2	3	4	5	6	7	9	12
Male contact face view								
Rated current (A)	25	25	25	10	25 5	10	5	5
Contact diameter (mm)	2.5	2.5	2.5	1.5	2.5X4 1X2	1.5	1	1
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	2.5	1 5	2.5	5	5
Termination	Solder Screw	Solder Screw	Solder Screw	Solder	Solder	Solder	Solder	Solder
Wire size for solder (mm ² / AWG)	≤4/11	≤4/11	≤4/11	≤2/14	≤4/11 ≤0.75/18	≤2/14	≤0.75/18	≤0.75/18
Wire size for screw termination (mm ² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/





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