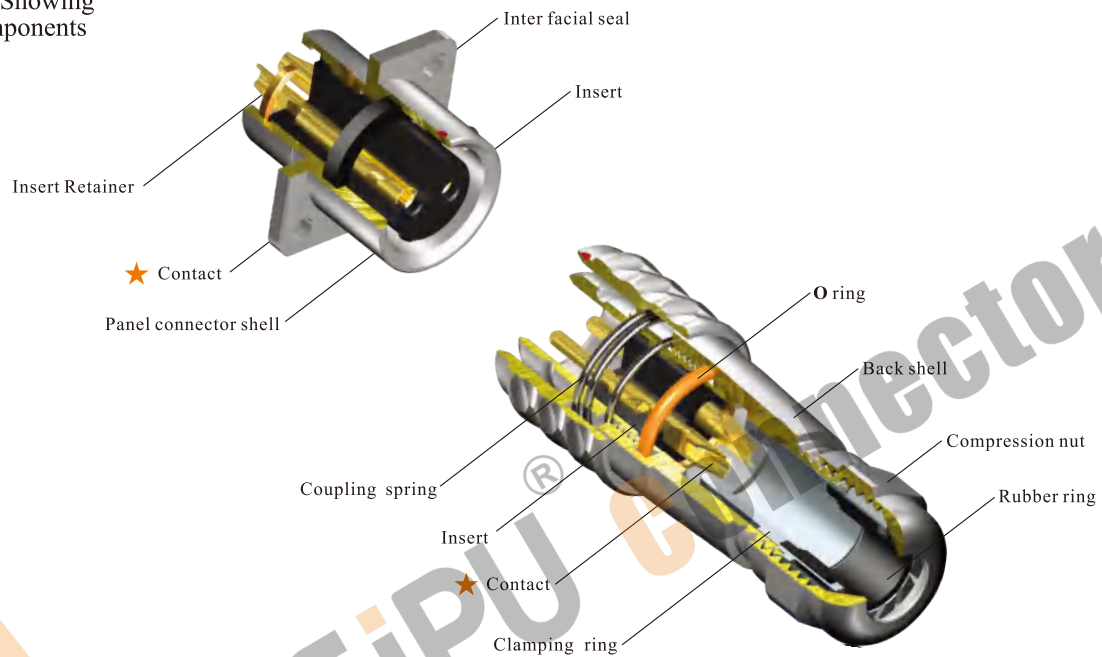


IP67

04

● Part Section Showing Internal Components



★ 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℃ Data: PBT, PVC	
Contact material	Brass with gold plating	
Termination	Solder: SF6, SF8, SF10, SF12, SF16, SF20, SF24 Crimp: SF16, SF20, SF24 Screw: SF20, SF24(Ø2.5mm contact)	
Cable outer diameter range	SF6: I: 2-3mm, II: 3-4mm SF8: I: 3-4mm, II: 4-5mm SF10: I: 3-4mm, II: 4-6.5mm SF12: I: 4-6.5mm, II: 5-8mm	SF16: I: 5-8mm, II: 8-12mm SF20: I: 5-9mm, II: 8-12mm SF24: 10-14mm
IP rating	IP67 (mated)	
Mating cycle	500 USB:1000	
Working temperature range	-40℃ ~ +85℃ Data : -20℃ ~ +70℃	
Insulation resistance	2000MΩ	
Transmission Speed	Cat 5: 100Mbps Cat 6: 100-1000Mbps	

SF20 Series

**SF
20**



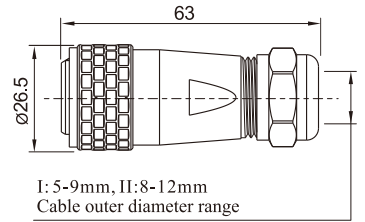
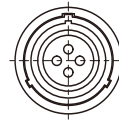
Cable connector
Mate with SF2011, SF2012
SF2013, SF2015

SF2010/P___ SF2010/S___

Male contact

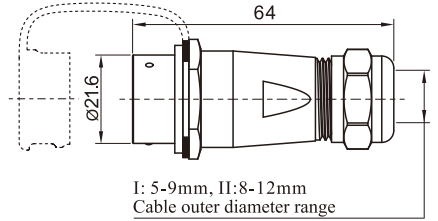
1: solder, 2: screw, 3: crimp, 8: angled screw

Cable outer diameter range
I: 5-9mm, II: 8-12mm
Number of contact
Female contact



SF2011/P___ SF2011/S___

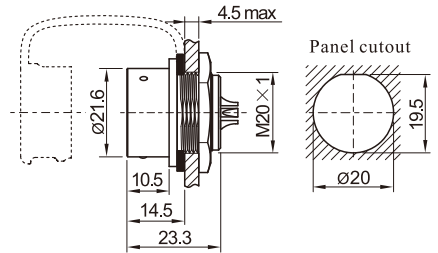
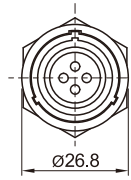
In-line cable connector
Mate with SF2010



SF2012/P___ SF2012/S___

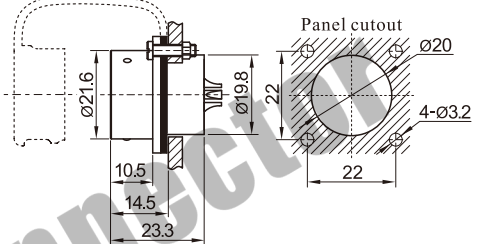
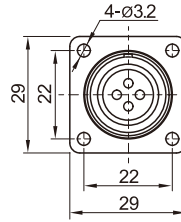
Rear-nut mount
Mate with SF2010

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



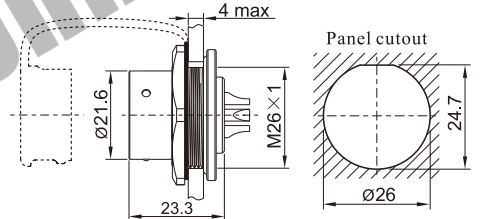
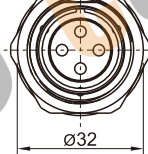
SF2013/P___ SF2013/S___

Square flange
Mate with SF2010



SF2015/P___ SF2015/S___

Front-nut mount
Mate with SF2010



Solder contact spec

★Crimp contact spec see P22

★Screw contact spec see P23

Number of contact	2	3	4	5	6	6B	7	8	9	12	15
Male contact face view											
Rated current (A)	25	25	25	10	25 5	30 5	10	10	5	5	5
Contact diameter(mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1.5X5	Ø2.5X4 Ø1X2	Ø3X2 Ø1X4	Ø1.5X7	Ø1.5X8	Ø1X9	Ø1X12	Ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	1	1	1	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm ² /AWG)	≤4/12	≤4/12	≤4/12	≤1.5/16	≤4/12 ≤0.75/18	≤4/12 ≤0.75/18	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination(mm ² /AWG)	Min:0.5/20 Max:1.5/15	Min:0.5/20 Max:1.5/15	Min:0.5/20 Max:1.5/15	/	/	/	/	/	/	/	/

SF20 Anti-bending



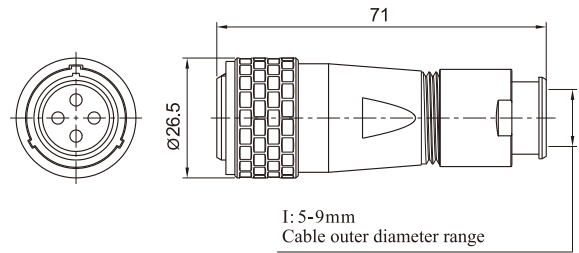
SF20



Cable connector
Mate with SF2011S, SF2012, SF2013, SF2015

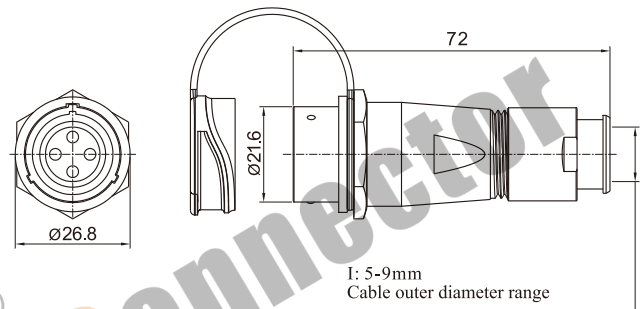
SF2010S/P____SF2010S/S____
Male contact

1: solder, 2: screw, 3: crimp,
8: angled screw
Cable outer diameter range
I: 5-9mm
Number of contact
Female contact



In-line cable connector
Mate with SF2010S

SF2011S/P____SF2011S/S____



Note: The bend relief must be ordered separately(page 04-20)

Solder contact spec

★Crimp contact spec see P22

★Screw contact spec see P23

Number of contact	2	3	4	5	6	6B	7	8	9	12	15
Male contact face view											
Rated current (A)	25	25	25	10	25 5	30 5	10	10	5	5	5
Contact diameter(mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1.5X5	Ø2.5X4 Ø1X2	Ø3X2 Ø1X4	Ø1.5X7	Ø1.5X8	Ø1X9	Ø1X12	Ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	1	1	1	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm ² /AWG)	≤4/12	≤4/12	≤4/12	≤1.5/16	≤4/12 ≤0.75/18	≤4/12 ≤0.75/18	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination(mm ² /AWG)	Min:0.5/20 Max:1.5/15	Min:0.5/20 Max:1.5/15	Min:0.5/20 Max:1.5/15	/	/	/	/	/	/	/	/