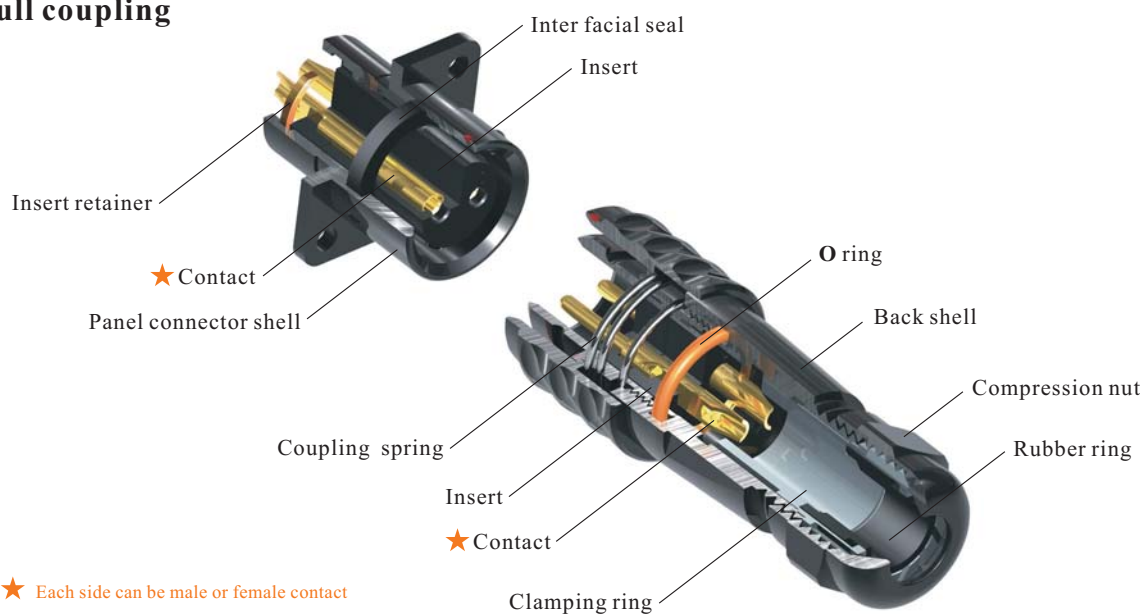


IP67

05

- SA Series IP67
- Push-pull coupling



Material and spec

Coupling	Push-pull		
Shell material	Anodized aluminium		
Insert material	PPS, max temperature 260 °C		
Contact material	Brass with gold plating		
Termination	Solder: SA6, SA8, SA10, SA12, SA16, SA20, SA24, SA28 Crimp: SA16, SA20, SA24, SA28 Screw: SA20, SA24, SA28		
Cable outer diameter range	SA6: I: 2-3mm, II: 3-4mm SA8: I: 3-4mm, II: 4-5mm SA10: I: 3-4mm, II: 4-6.5mm	SA12: I: 4-6.5mm, II: 5-8mm SA16: I: 5-8mm, II: 8-12mm SA20: I: 5-9mm, II: 8-12mm	SA24: 10-14mm SA28: I: 9-13mm, II: 13-16mm
IP rating	IP67 (mated)		
Mating cycle	500 USB: 1000		
Temperature range	-40°C ~ +85°C; Signal, Data: -20°C ~ +70°C		
Insulation resistance	2000MΩ		
Transmission Speed	Cat 5: 100Mbps Cat 6: 100-1000Mbps		

SA6 Series



Cable connector
Mate with SA611, SA612,
SA615

SA610 / P

SA610 / S

Male contact

Colour:

B: Black

S: Silver

L: Blue (special order)

G: Green (special order)

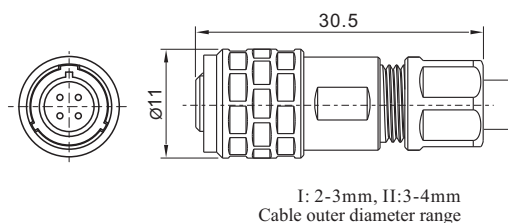
R: Red (special order)

Cable outer diameter range

I: 2-3mm, II: 3-4mm

Number of contact

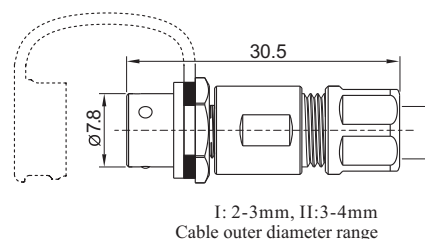
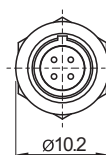
Female contact



SA611 / P

SA611 / S

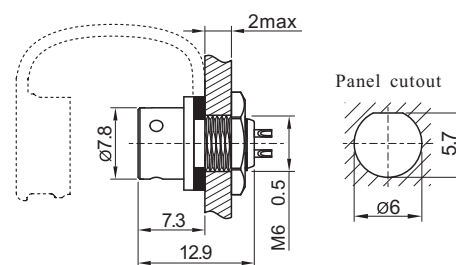
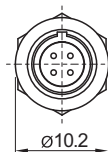
In-line cable connector
Mate with SA610



SA612 / P

SA612 / S

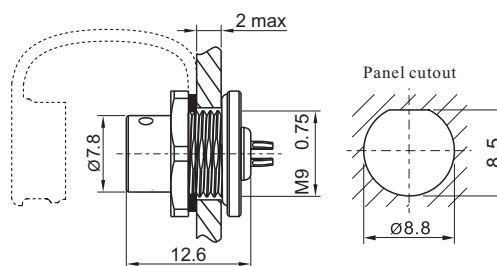
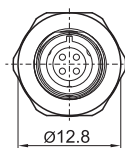
Rear-nut mount
Mate with SA610



SA615 / P

SA615 / S

Front-nut mount
Mate with SA610



Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter(mm)	Ø0.6 2	Ø0.6 3	Ø0.6 4	Ø0.6 5
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

SA8 Series



Cable connector
Mate with SA811, SA812,
SA815

SA810 / P

SA810 / S

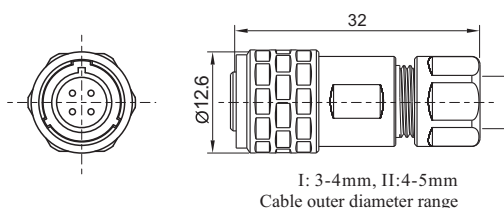
Male contact

Colour:
B: Black
S: Silver

L: Blue (special order)
G: Green (special order)
R: Red (special order)

Cable outer diameter range
I: 3-4mm, II: 4-5mm

Number of contact
Female contact

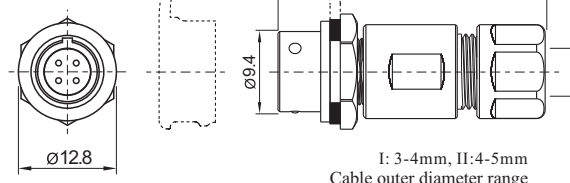


SA811 / P

SA811 / S



In-line cable connector
Mate with SA810

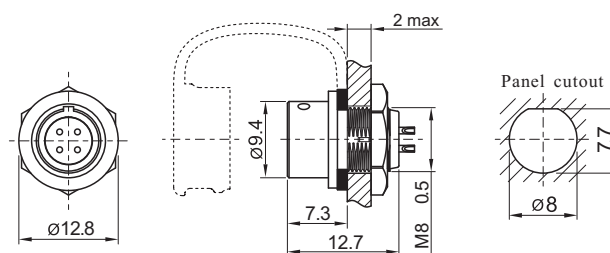


SA812 / P

SA812 / S



Rear-nut mount
Mate with SA810

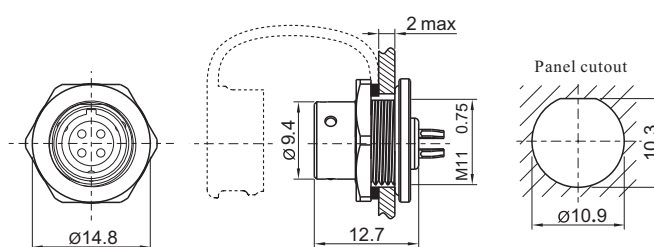


SA815 / P

SA815 / S



Front-nut mount
Mate with SA810



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)	Ø1X2	Ø1X3	Ø0.6X4	Ø0.6X6	Ø0.6X8
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

SA10 Series



SA1010 / P — SA1010 / S

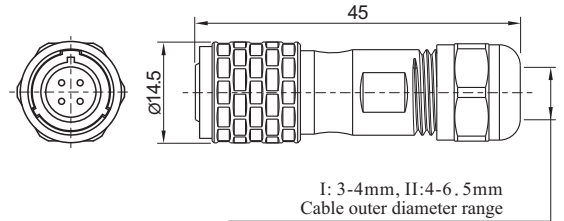
Male contact

Cable connector
Mate with SA1011, SA1012,
SA1015

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

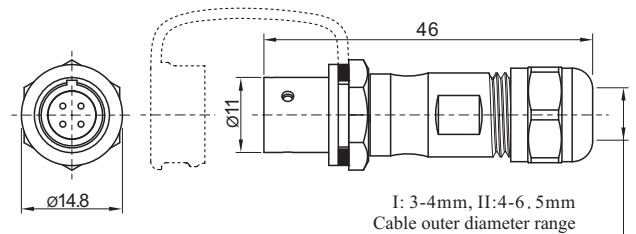
Cable outer diameter range
I: 3-4mm, II: 4-6, 5mm

Number of contact
Female contact



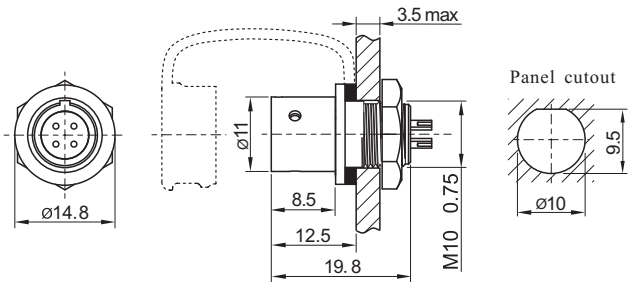
SA1011 / P — SA1011 / S

In-line cable connector
Mate with SA1010



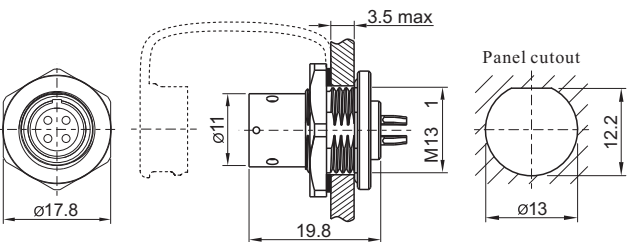
SA1012 / P — SA1012 / S

Rear-nut mount
Mate with SA1010



SA1015 / P — SA1015 / S

Front-nut mount
Mate with SA1010



Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter(mm)	Ø1X2	Ø1X3	Ø0.7X4	Ø0.7X5
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(mm²/AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

SA12 Series

SA
12



Cable connector
Mate with SA1211, SA1212
SA1213, SA1215

SA1210/P — SA1210/S

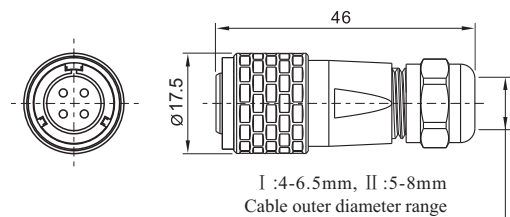
Male contact

Female contact

Number of contact

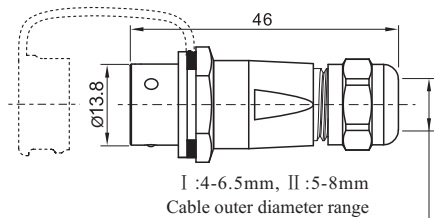
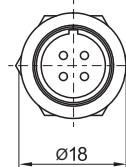
Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

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



SA1211/P — SA1211/S

In-line cable connector
Mate with SA1210

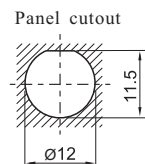
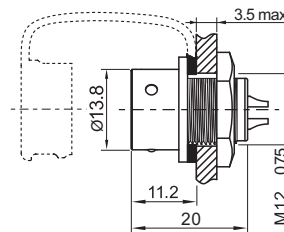
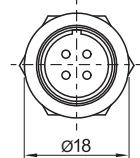


SA1212/P — SA1212/S

Number of contact

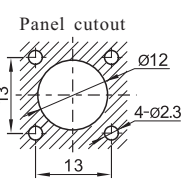
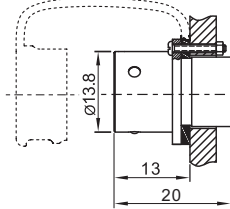
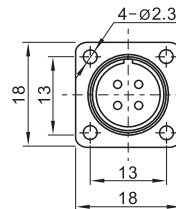
Rear-nut mount
Mate with SA1210

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)



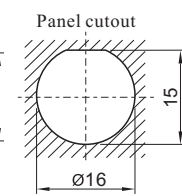
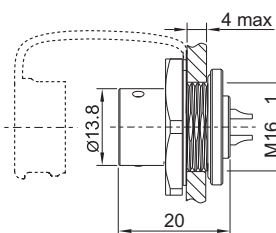
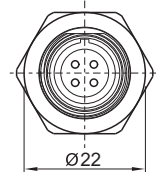
SA1213/P — SA1213/S

Square flange
Mate with SA1210



SA1215/P — SA1215/S

Front-nut mount
Mate with SA1210



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	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)	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

SA16 Series

**SA
16**



Cable connector
Mate with SA1611, SA1612,
SA1613, SA1615

SA1610/P — — — **SA1610/S** — — —

Male contact

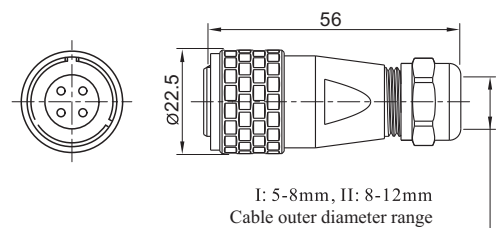
Female contact

Number of contact

Cable outer diameter
I: 5-8mm(omit), II: 8-12mm

1: solder, 3: crimp

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

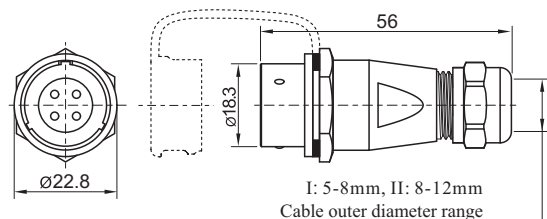


05



In-line cable connector
Mate with SA1610

SA1611/P — — — **SA1611/S** — — —



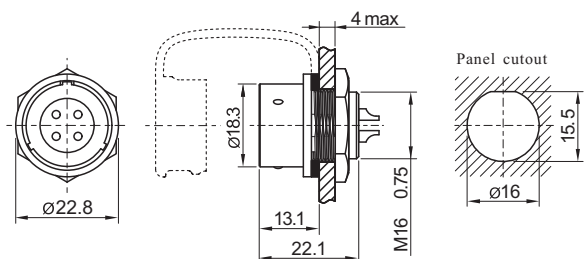
Rear-nut mount
Mate with SA1610

SA1612/P — — — **SA1612/S** — — —

Number of contact

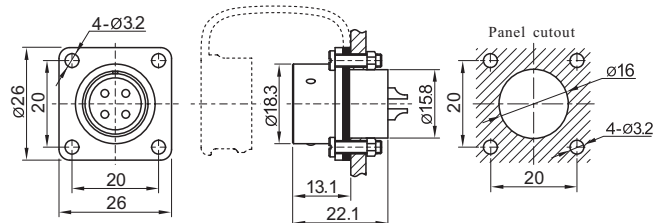
Colour

1: solder, 3: crimp



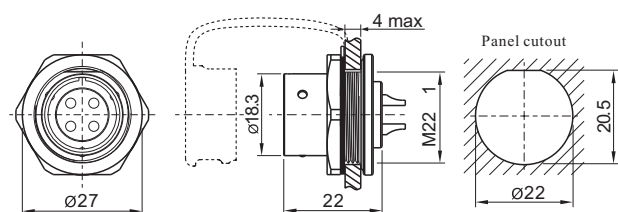
Square flange
Mate with SA1610

SA1613/P — — — **SA1613/S** — — —



Front-nut mount
Mate with SA1610

SA1615/P — — — **SA1615/S** — — —



Solder contact spec

★ Crimp contact spec see P22

Number of contact	2	3	4	2B	3B	4B	5	7	9	10
Male contact face view										
Rated current (A)	10	10	5	15	15	15	5	5	5	5
Contact diameter(mm)	Ø1.5X2	Ø1.5X3	Ø1X4	Ø2X2	Ø2X3	Ø2X4	Ø1X5	Ø1X7	Ø1X9	Ø1X10
Rated voltage (AC.V)	500	500	500	500	500	500	500	400	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact resistance (mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Wire size (mm ² /AWG)	≤1.5/16	≤1.5/16	≤0.75/18	≤1.5/16	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

SA20 Series

**SA
20**



Cable connector
Mate with SA2011, SA2012,
SA2013, SA2015

SA2010/P

SA2010/S

Male contact

Female contact

Number of contact

1: solder, 2: screw, 3: crimp

Colour:

B: Black

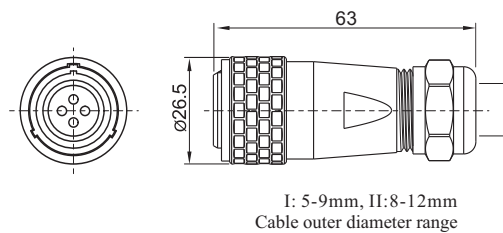
S: Silver

L: Blue (special order)

G: Green (special order)

R: Red (special order)

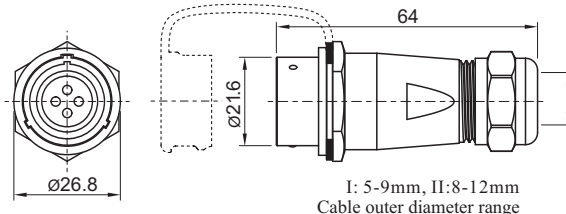
Cable outer diameter range
I: 5-9mm, II: 8-12mm



SA2011/P

SA2011/S

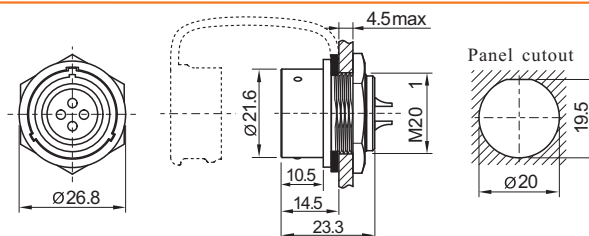
In-line cable connector
Mate with SF2010



SA2012/P

SA2012/S

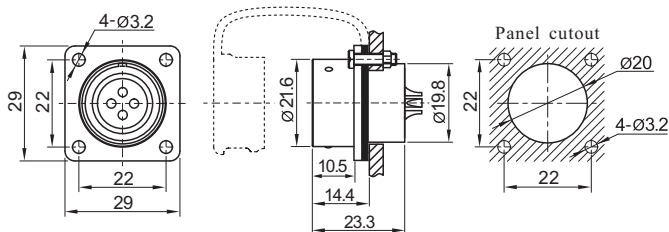
Rear-nut mount
Mate with SA2010



SA2013/P

SA2013/S

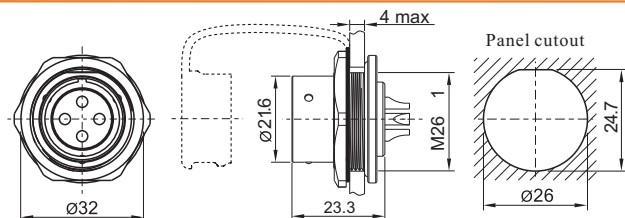
Square flange
Mate with SA2010



SA2015/P

SA2015/S

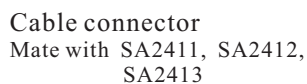
Front-nut mount
Mate with SA2010



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	/	/	/	/	/	/	/	/

SA
24

- Male contact

Female contact

Number of contact -

- 1: solder, 2: screw, 3: crimp

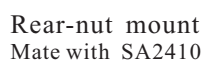
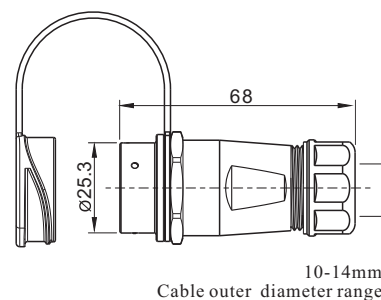
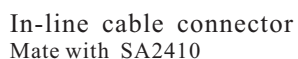
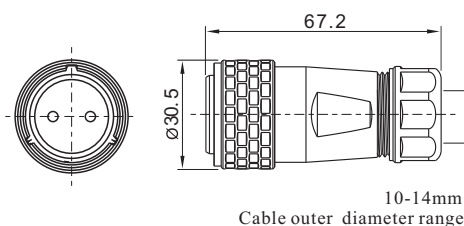
- Colour:

B: Black
G: Green

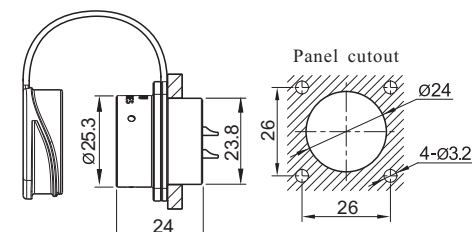
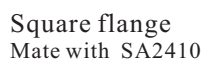
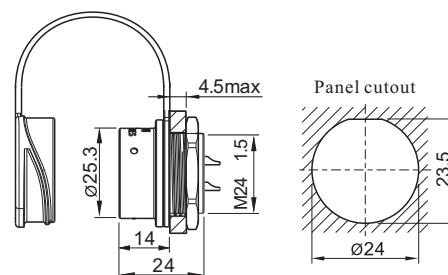
L: Blue (special order)

G: Green (special order)
R: Red (special order)

R. Red (special order)



Technical drawing of a hexagonal part. The part has a regular hexagonal outer shape. Inside, there are concentric circles. The central feature is a hole with a diameter of 30, indicated by the dimension $\varnothing 30$ and a dashed center line. The drawing shows the part from a top-down perspective.



★ Crimp contact spec see P22 ★ Screw contact spec see P23

Number of contact	2	3	4	9	10	12	12B	19
Male contact face view								
Rated current (A)	25	25	25	5 25	10	10	5 30	5
Contact diameter(mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1X5 Ø2.5X4	Ø1.5X10	Ø1.5X12	Ø1X9 Ø3X3	Ø1X19
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	5 1	2.5	2.5	5 1	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/AWG)	≤4/12	≤4/12	≤4/12	≤0.75/18 ≤4/11	≤1.5/16	≤1.5/16	≤0.75/18 ≤4/11	≤0.75/18
Wire size for screw termination	Min:0.5/20 Max:1.5/15	Min:0.5/20 Max:1.5/15	Min:0.5/20 Max:1.5/15	/	/	/	/	/

SA28 Series

**SA
28**



Cable connector
Mate with SA2811, SA2812,
SA2813, SA2815

SA2810/P — SA2810/S

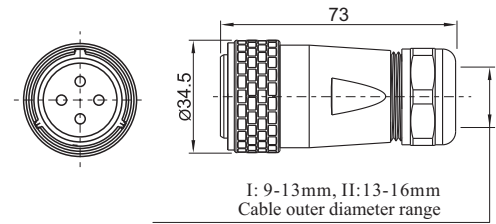
Male contact

Female contact

Number of contact

1: solder, 2: screw, 3: crimp

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)
Cable outer diameter range
I: 9-13mm, II: 13-16mm

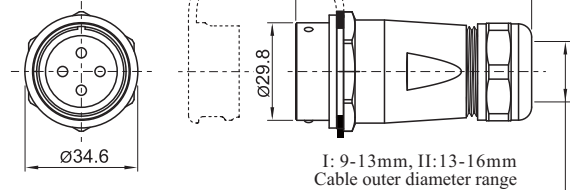


I: 9-13mm, II: 13-16mm
Cable outer diameter range



SA2811/P — SA2811/S

In-line cable connector
Mate with SA2810

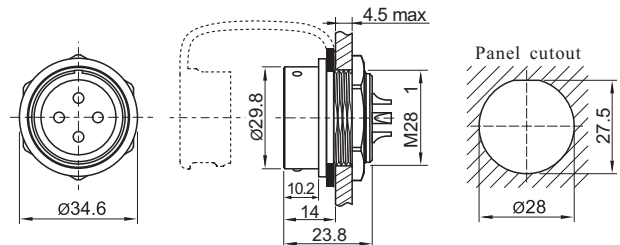


I: 9-13mm, II: 13-16mm
Cable outer diameter range



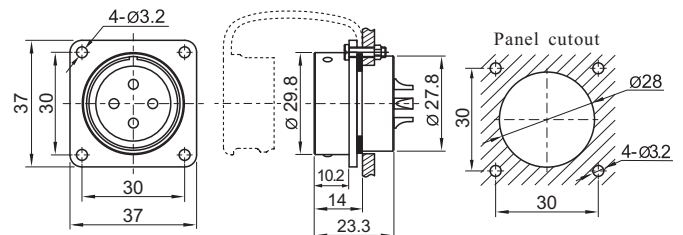
SA2812/P — SA2812/S

Rear-nut mount
Mate with SA2810



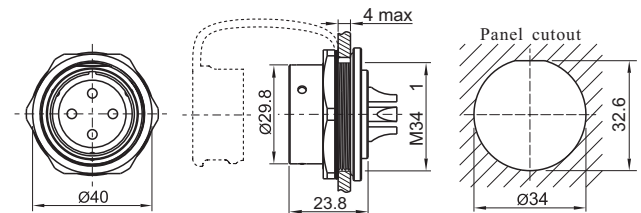
SA2813/P — SA2813/S

Square flange
Mate with SA2810



SA2815/P — SA2815/S

Front-nut mount
Mate with SA2810



Solder contact spec

★Crimp contact spec see P22 ★Screw contact spec see P23

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	0.5, 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 (mm ² / AWG)	≤10 / 7	≤10 / 7	≤4 / 12	≤4 / 12	≤4 / 12	≤16 / 5 ≤0.75 / 18	≤4 / 12 ≤0.75 / 18	≤4 / 12	≤1.5 / 16	≤1.5 / 16	≤1.5 / 16	≤1.5 / 16	≤0.75 / 18	≤0.75 / 18	≤0.75 / 18	≤0.75 / 18
Wire size for screw termination	Min:0.5/20 Max:6/10	Min:0.5/20 Max:6/10	Min:0.5/20 Max:1.5/15	Min:0.5/20 Max:1.5/15	Min:0.5/20 Max:1.5/15	/	/	Min:0.5/20 Max:1.5/15	/	/	/	/	/	/	/	/

SA24 Series



SA24
Signal&Data

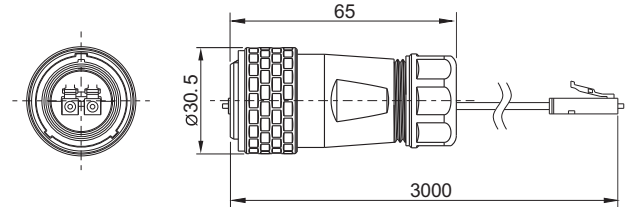


Plug with LC adapter
Mate with SA2411, SA2412, SA2413

SA2410/PLC-

Cable length:
1.0m
3.0m
5.0m

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

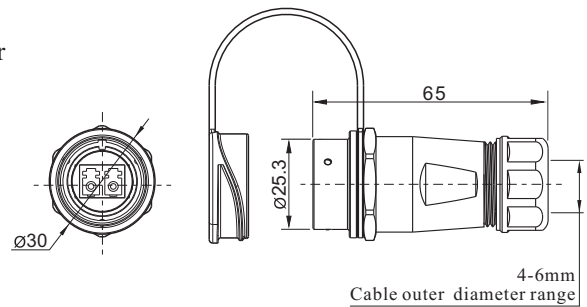


★ Cable length can be customized



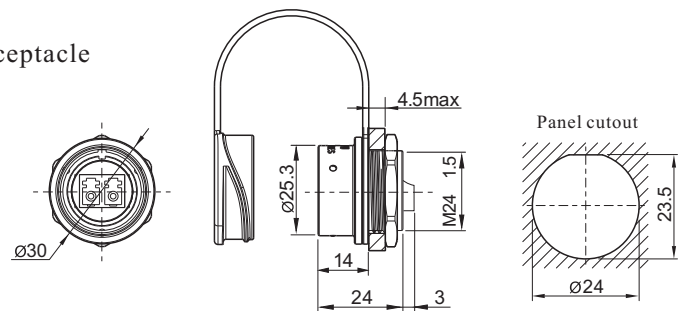
Receptacle with LC adapter
Mate with SA2410

SA2411/SLC _



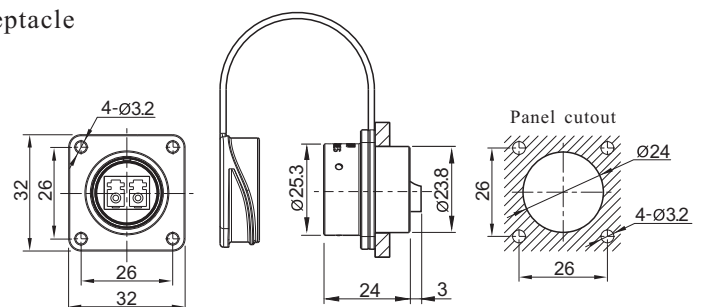
Rear-nut mount receptacle
with LC adapter
Mate with SA2410

SA2412/SLC _



Square flange receptacle
with LC adapter
Mate with SA2410

SA2413/SLC _





SA24 Series

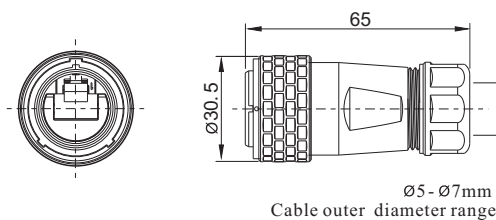
SA24
Signal&Data



RJ45 Plug
Mate with SA2411, SA2412, SA2413

SA2410/PRJ45

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

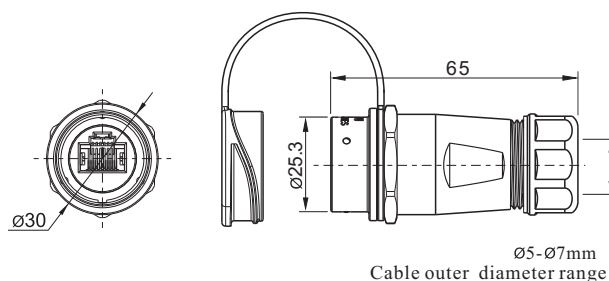


RJ45 Receptacle
Mate with SA2410

SA2411/SRJ45

Blank: CAT5
-C6: CAT6

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

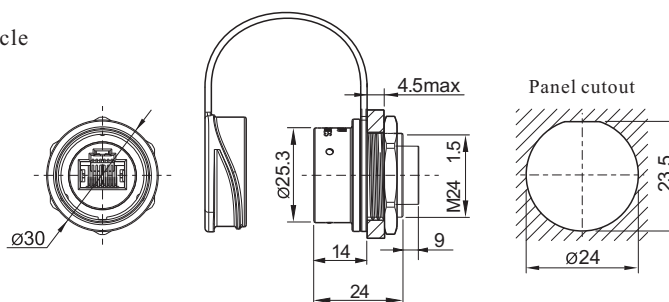


RJ45 Rear-nut mount receptacle
Mate with SA2410

SA2412/SRJ45

Blank: CAT5
-C6: CAT6

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

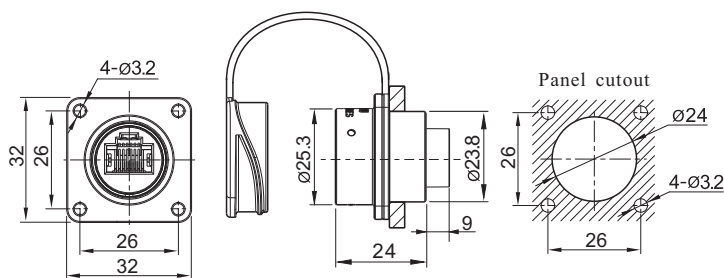


RJ45 Square flange receptacle
Mate with SA2410

SA2413/SRJ45

Blank: CAT5
-C6: CAT6

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)





SA24 Series

SA24
Signal&Data

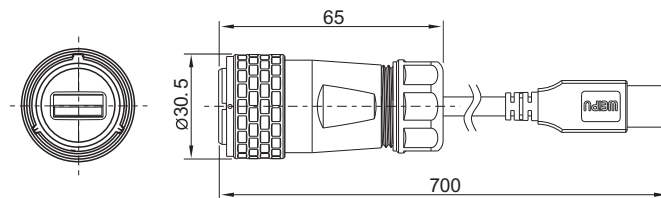


USB3.0 Plug
Mate with SA2411, SA2412, SA2413

SA2410/PUSB3.0—

Cable length:
1.0m
3.0m
5.0m

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

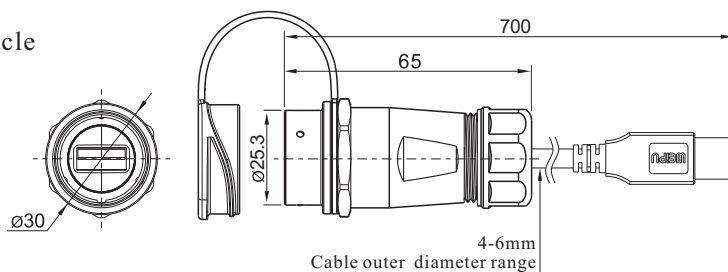


★ The cable length can be customized, but not more than 3 meters.



USB3.0 Receptacle
Mate with SA2410

SA2411/SUSB3.0—

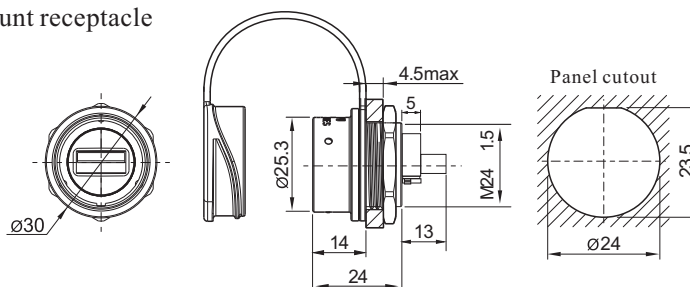


★ The cable length can be customized, but not more than 3 meters.



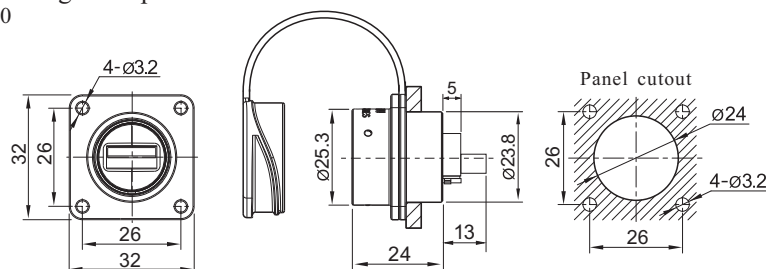
USB3.0 Rear-nut mount receptacle
Mate with SA2410

SA2412/SUSB3.0—



USB3.0 Square flange receptacle
Mate with SA2410

SA2413/SUSB3.0—



SA24 Series



SA24
Signal&Data

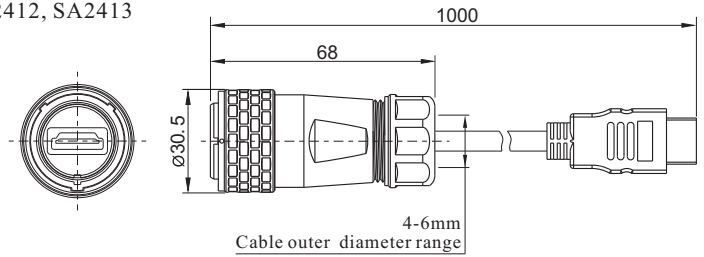


HDMI2.0 Plug
Mate with SA2411, SA2412, SA2413

SA2410/PHDMI2.0-

Cable length:
1.0m
3.0m
5.0m

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

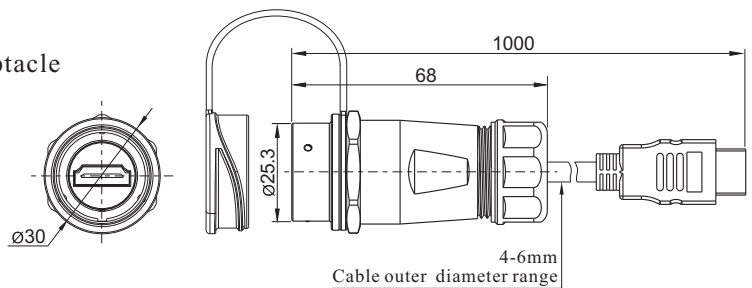


★ The cable length can be customized, but not more than 5 meters.



HDMI2.0 Receptacle
Mate with SA2410

SA2411/SHDMI2.0-

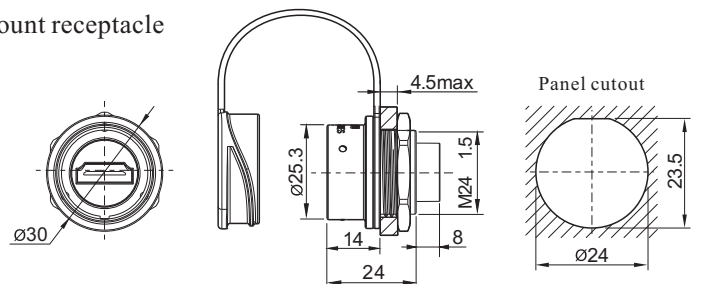


★ The cable length can be customized, but not more than 5 meters.



HDMI2.0 Rear-nut mount receptacle
Mate with SA2410

SA2412/SHDMI2.0-



HDMI2.0 Square flange receptacle
Mate with SA2410

SA2413/SHDMI2.0-

