

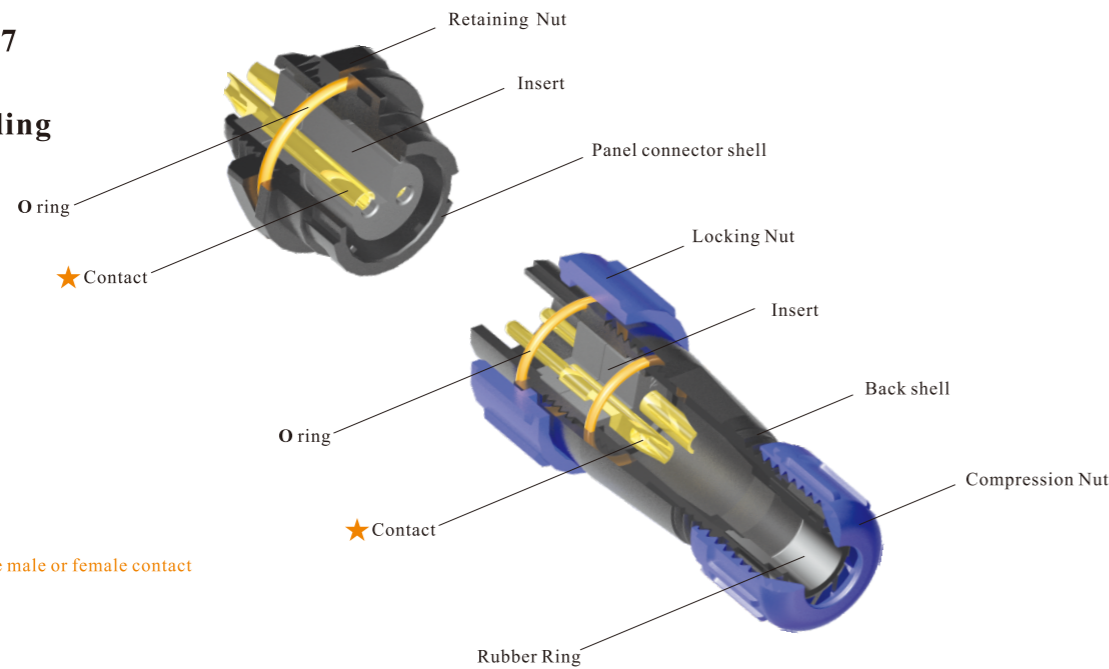


IP67



● SY Series IP67

● Bayonet coupling

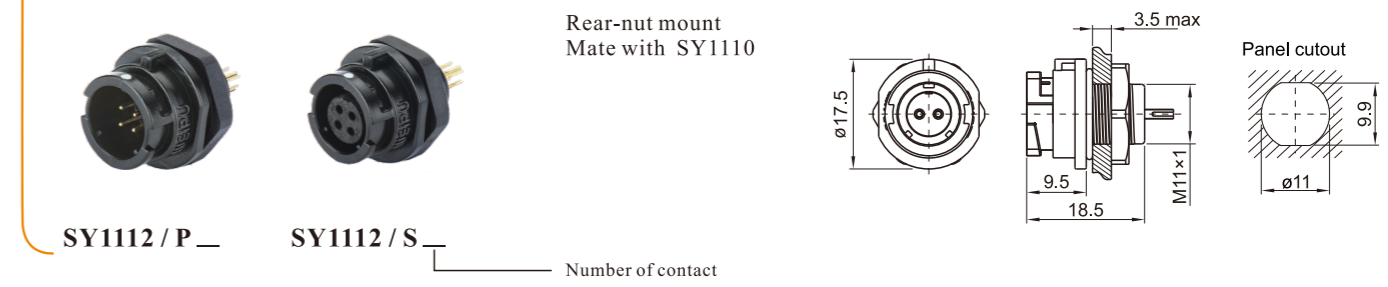
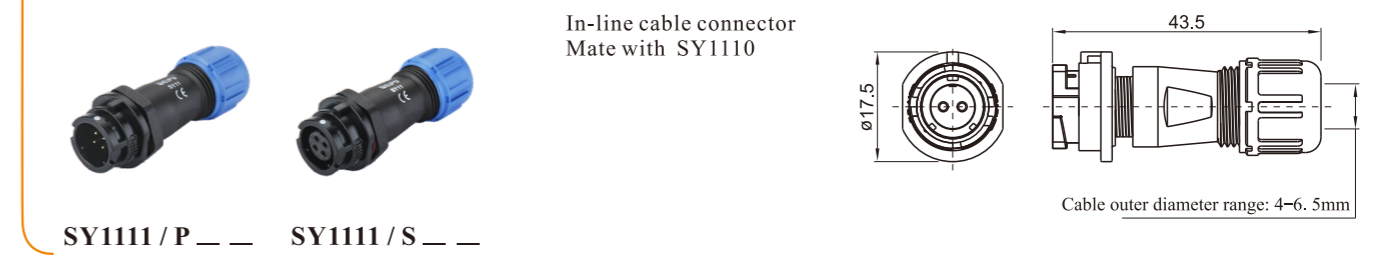
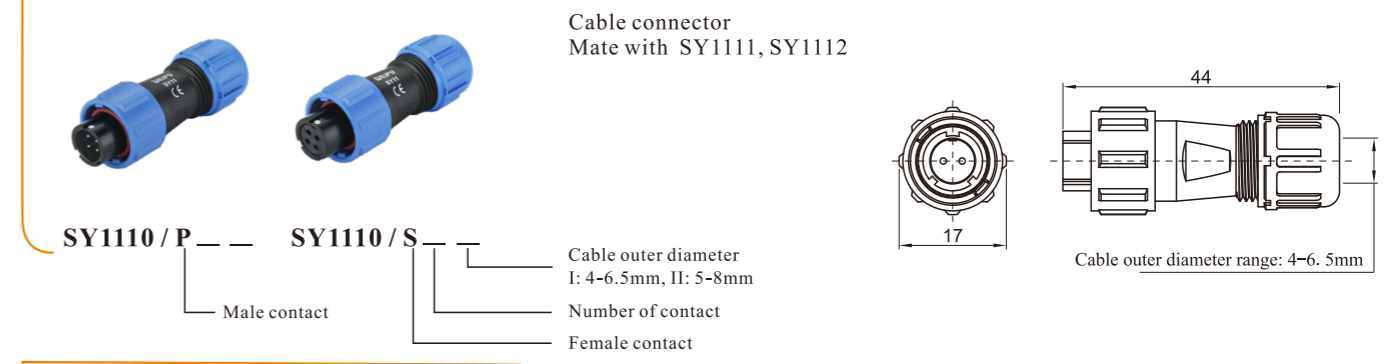


★ Each side can be male or female contact

Material and spec

Coupling	Bayonet
Shell material	PC, Nylon66, fire resistance: V-0
Insert material	PPS, max temperature 260 °C
Contact material	Brass with gold plating
Termination	Solder: SY13, SY17, SY21 Crimp: SY17 Screw: SY21 (ø3mm contact)
Cable outer diameter range	SY13 I: 4-6.5mm, II: 5-8mm SY21: I: 4.5-7mm, II: 7-12mm SY17: 6-10mm
IP rating	IP67
Mating cycle	500
Temperature range	-40°C ~ +85°C
Insulation resistance	2000 MΩ

SY11 Series



Solder contact spec

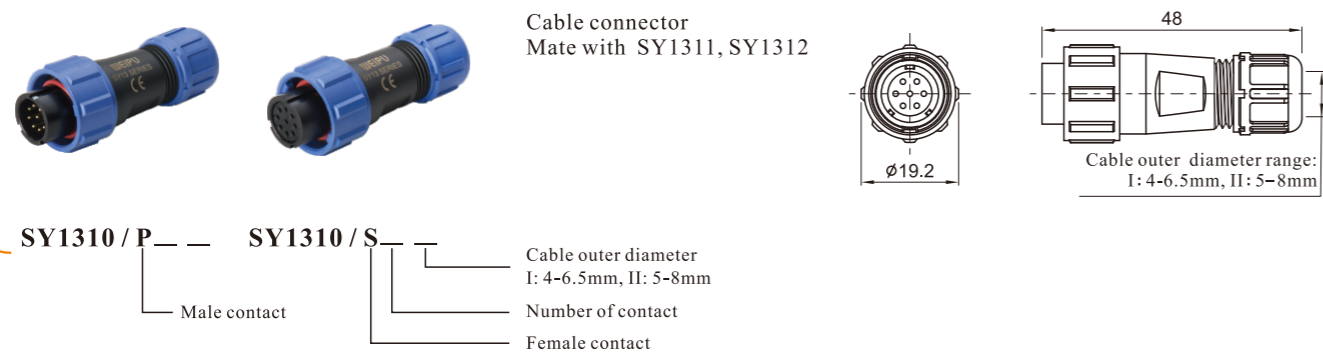
Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter(mm)	ø1×2	ø1×3	ø0.7×4	ø0.7×5
Rated voltage (AC.V)	180	180	125	125
Test voltage(AC.V) 1 min	1000	1000	1000	1000
Contact resistance(mΩ)	5	5	10	10
Wire size(mm ² /AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

SY13 Series

**SY
13**

SY1310 / P **SY1310 / S**

Cable connector
Mate with SY1311, SY1312



Male contact

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

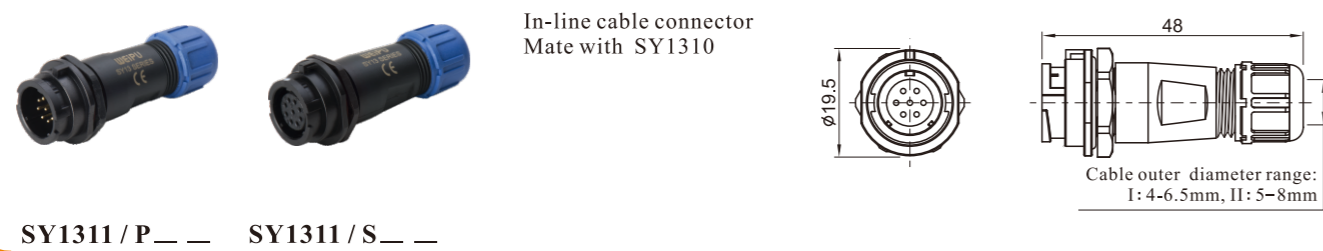
Number of contact

Female contact

Dimensions: $\phi 19.2$, 48

SY1311 / P **SY1311 / S**

In-line cable connector
Mate with SY1310

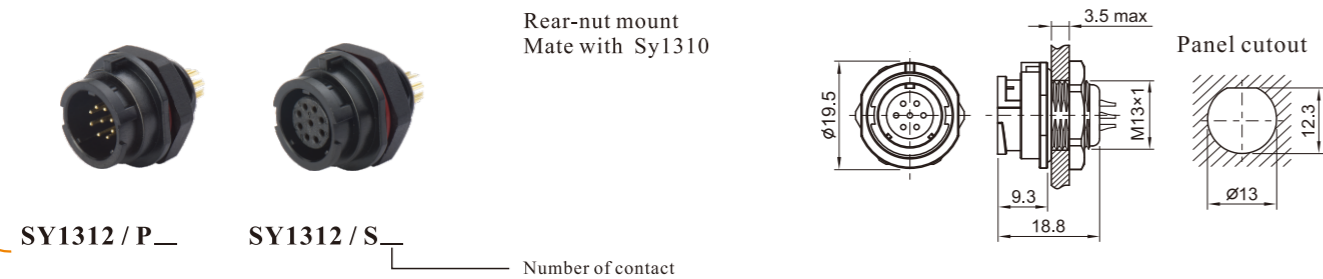


Dimensions: $\phi 19.5$, 48

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

SY1312 / P **SY1312 / S**

Rear-nut mount
Mate with Sy1310



Number of contact

Panel cutout

Dimensions: $\phi 19.5$, 3.5 max, M13x1, 9.3, 18.8, $\phi 13$, 12.3

Solder contact spec

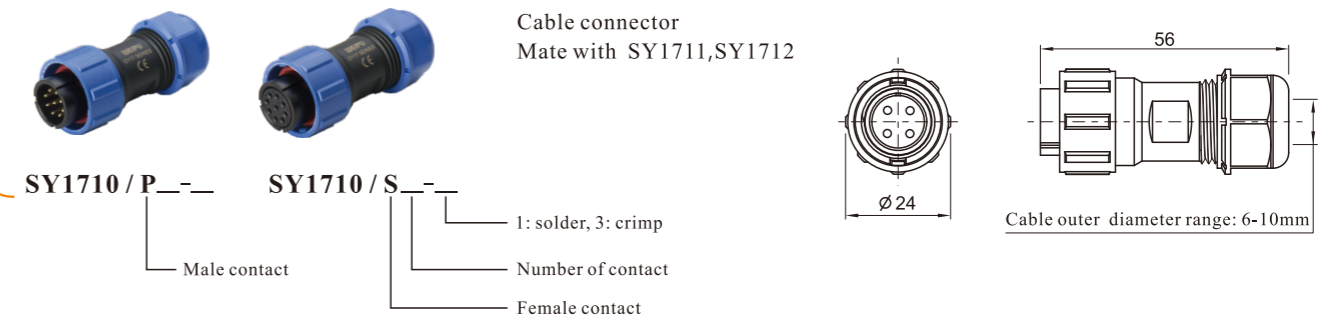
Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter (mm)	$\phi 1.6 \times 2$	$\phi 1.6 \times 3$	$\phi 1 \times 4$	$\phi 1 \times 5$	$\phi 1 \times 6$	$\phi 1 \times 7$	$\phi 0.7 \times 9$
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (m Ω)	2.5	2.5	5	5	5	5	10
Wire size (mm ² / AWG)	$\leq 2/14$	$\leq 2/14$	$\leq 0.75/18$	$\leq 0.75/18$	$\leq 0.75/18$	$\leq 0.75/18$	$\leq 0.5/20$

SY17 Series

**SY
17**

SY1710 / P **SY1710 / S**

Cable connector
Mate with SY1711, SY1712



Male contact

Female contact

1: solder, 3: crimp

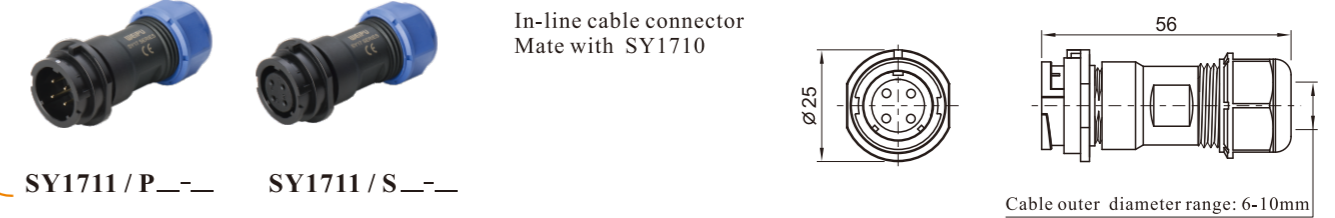
Number of contact

Dimensions: $\phi 24$, 56

Cable outer diameter range: 6-10mm

SY1711 / P **SY1711 / S**

In-line cable connector
Mate with SY1710

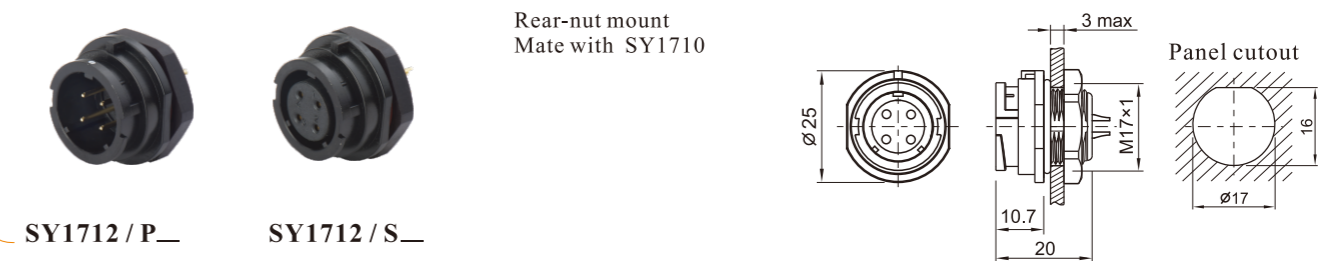


Dimensions: $\phi 25$, 56

Cable outer diameter range: 6-10mm

SY1712 / P **SY1712 / S**

Rear-nut mount
Mate with SY1710



Panel cutout

Dimensions: $\phi 25$, 3 max, M17x1, 10.7, 20, $\phi 17$, 16

Solder contact spec

★ Crimp contact spec see P101-P104

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)	$\phi 1.5 \times 2$	$\phi 1.5 \times 3$	$\phi 1 \times 4$	$\phi 2 \times 2$	$\phi 2 \times 3$	$\phi 2 \times 4$	$\phi 1 \times 5$	$\phi 1 \times 7$	$\phi 1 \times 9$	$\phi 1 \times 10$
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 (m Ω)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Wire size (mm ² / AWG)	$\leq 2/14$	$\leq 2/14$	$\leq 0.75/18$	$\leq 2/14$	$\leq 2/14$	$\leq 2/14$	$\leq 0.75/18$	$\leq 0.75/18$	$\leq 0.75/18$	$\leq 0.75/18$

SY21 Series

**SY
21**



SY2110 / P --- SY2110 / S

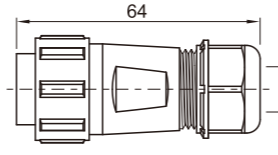
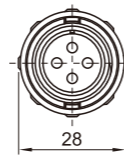
Male contact
Female contact

Number of contact

Cable connector
Mate with SY2111, SY2112, SY2113

1: solder, 2: screw, 3: crimp

Cable outer diameter: I: 4.5-7mm, II: 7-12mm

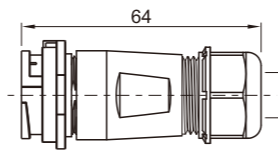
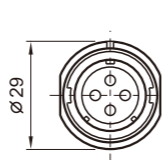


Cable outer diameter range:
I: 4.5-7mm, II: 7-12mm



SY2111 / P --- SY2111 / S

In-line cable connector
Mate with SY2110



Cable outer diameter range:
I: 4.5-7mm, II: 7-12mm

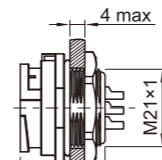
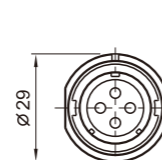


SY2112 / P --- SY2112 / S

Number of contact

Rear-nut mount
Mate with SY2110

1: solder, 2: screw, 3: crimp



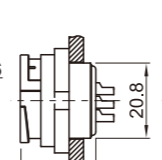
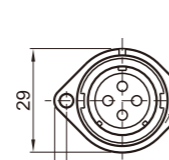
4 max

Panel cutout

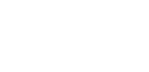
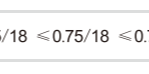
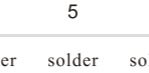
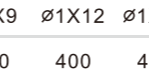
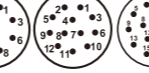
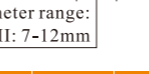
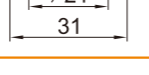


SY2113 / P --- SY2113 / S

2-hole flange
Mate with SY2110



Panel cutout



Cable outer diameter range:
I: 4.5-7mm, II: 7-12mm

★ Crimp contact spec see P101-P104

★ Screw contact spec see P105-P106

Solder contact spec

Number of contact	2	3	4	5	5B	5C	6	6B	7	8	9	12	15
Male contact face view													
Rated current (A)	30	30	30	30	30 5	15	25 5	30 5	15	10	5	5	5
Contact diameter (mm)	∅3X2	∅3X3	∅3X4	∅3X5	∅3X2 ∅1X3	∅2X5	∅2.5X4 ∅1X2	∅3X2 ∅1X4	∅2X7	∅1.5X10	∅1X9	∅1X12	∅1X15
Rated voltage (AC.V)	500	500	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	1500	1500	1500	1200	1200
Contact resistance (mΩ)	1	1	1	1	1 5	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm ² / AWG)	≤4/11	≤4/11	≤4/11	≤4/11	≤4/11 ≤0.75/18	≤2/14	≤4/11 ≤0.75/18	≤4/11 ≤0.75/18	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm ² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/	/

SY29 Series

**SY
29**



SY2910 / P --- SY2910 / S

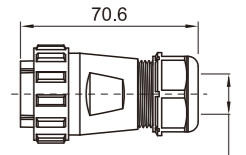
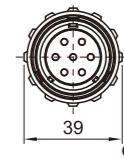
Male contact
Female contact

Number of contact

Cable connector
Mate with SY2911, SY2912, SY2913

1: solder, 2: screw, 3: crimp

Cable outer diameter: I: 4.5-7mm, II: 7-12mm(不标)

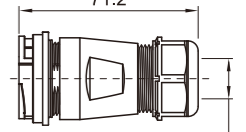
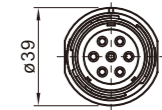


Cable outer diameter range: 13-16mm



SY2911 / P --- SY2911 / S

In-line cable connector
Mate with SY2910



Cable outer diameter range: 13-16mm

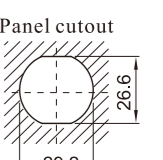
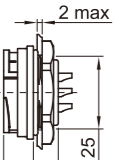
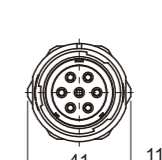


SY2912 / P --- SY2912 / S

Rear-nut mount
Mate with SY2910

1: solder, 2: screw, 3: crimp

Number of contact



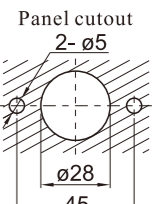
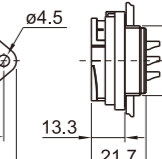
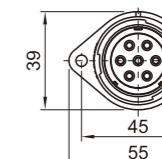
2 max

Panel cutout



SY2913 / P --- SY2913 / S

2-hole flange
Mate with SY2910



2 max

Panel cutout



★ Crimp contact spec see P101-P104

★ Screw contact spec see P105-P106

Solder contact spec

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)	∅3.5X2	∅3.5X3	∅2.5X4	∅2.5X7	∅2.5X8	∅5X2 ∅1X6	∅2.5X4 ∅1X5	∅2.5X10	∅1.5X10	∅1.5X12	∅1.5X16	∅1.5X17	∅1X20	∅1X24	∅1X26	∅1X35
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	5, 0.5	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 / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw
Wire size (mm ² / AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/



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