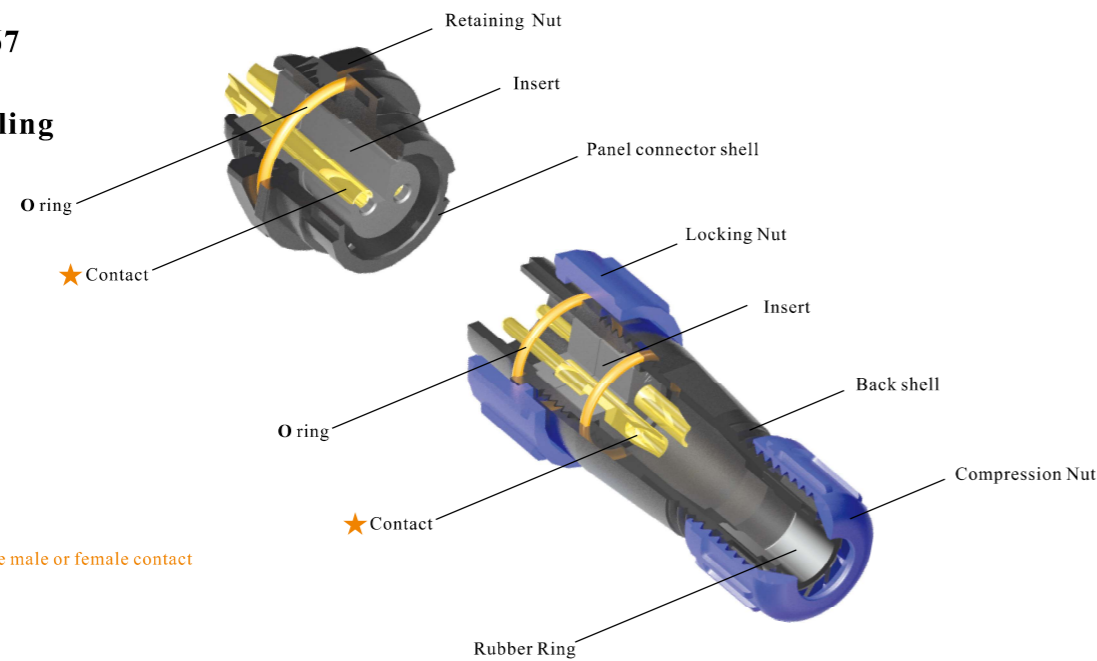


IP67



● SY Series IP67

● Bayonet coupling

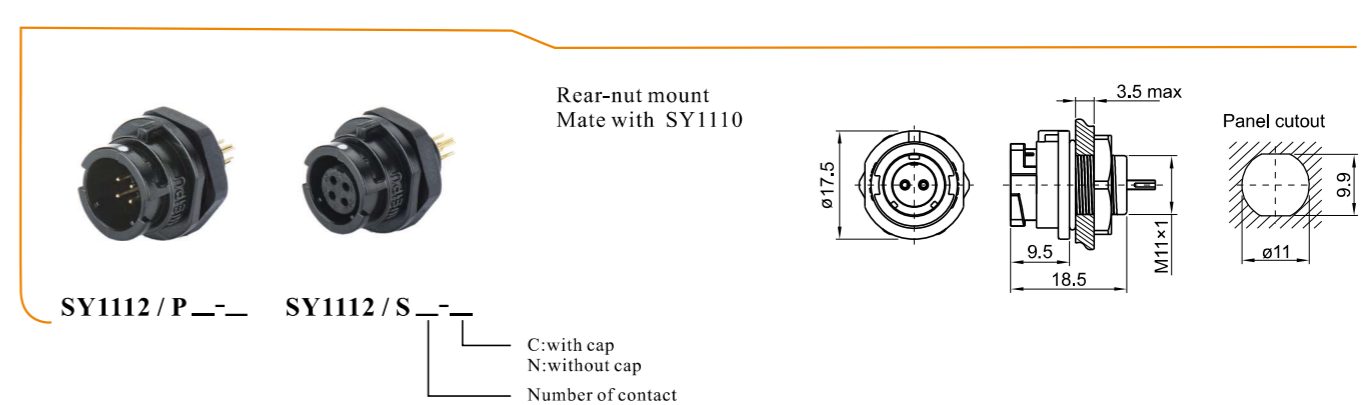
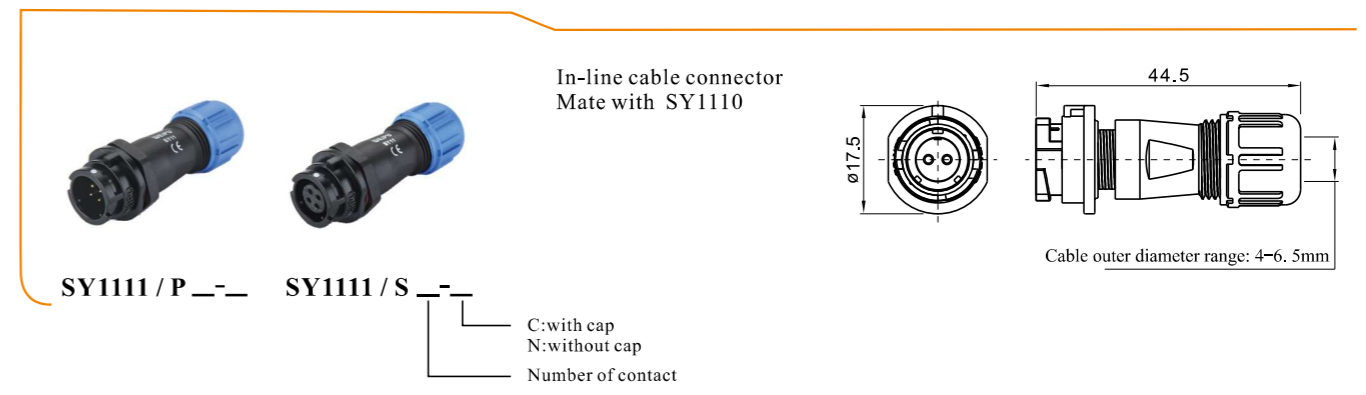
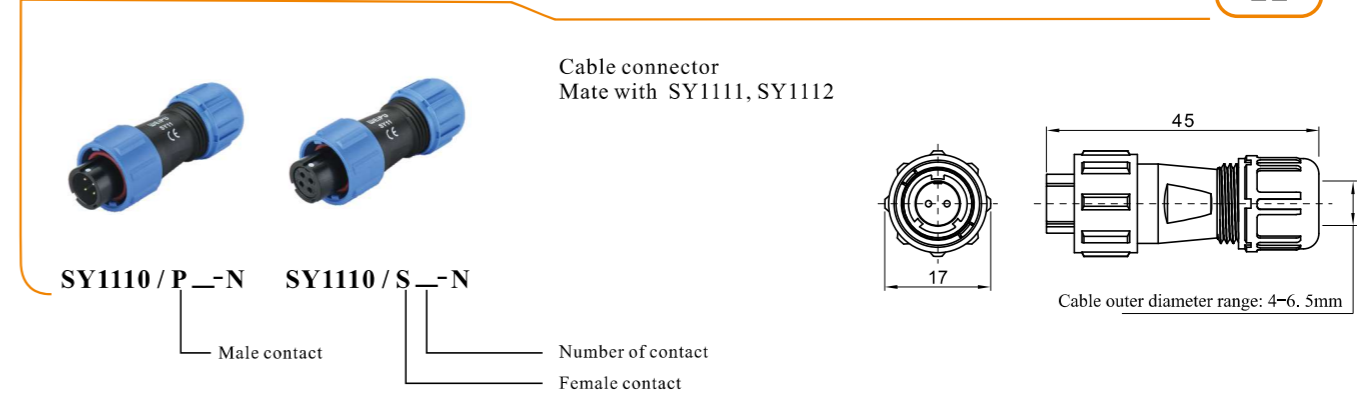


★ Each side can be male or female contact

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: SY11, SY13, SY17, SY21, SY29 Crimp: SY17, SY21, SY29 Screw: SY21, SY29(ø2.5, ø3, ø3.5mm contact)	
Cable outer diameter range	SY11: 4-6.5mm SY13 I: 4-6.5mm, II: 5-8mm SY17: 6-10mm	SY21: I: 4.5-7mm, II: 7-12mm SY29: 13-16mm
IP rating	IP67	
Mating cycle	500	
Temperature range	-40°C ~ +85°C	
Insulation resistance	2000 MΩ	

SY11 Series



Solder contact spec

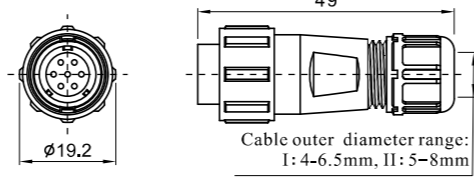
Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	5	5	3	3
Contact diameter(mm)	ø1×2	ø1×3	ø0.7×4	ø0.7×5
Rated voltage (AC.V)	180	180	125	125
Test voltage(AC.V) 1 min	1000	1000	1000	1000
Contact resistance(mΩ)	5	5	10	10
Wire size(mm ² /AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

SY13 Series

**SY
13**



Cable connector
Mate with SY1311, SY1312

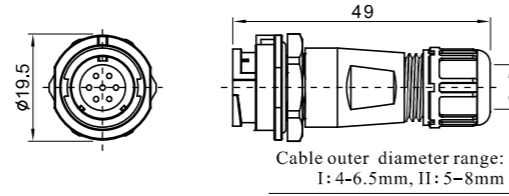


SY1310 / P _ _ _ N SY1310 / S _ _ _ N
Male contact

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



In-line cable connector
Mate with SY1310

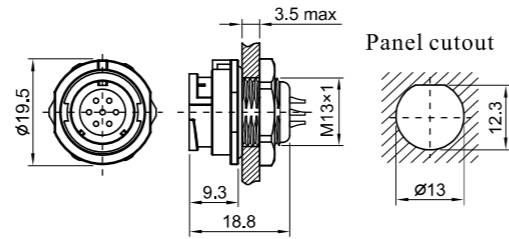


SY1311 / P _ _ _ SY1311 / S _ _ _
Number of contact

C: with cap
N: without cap
Cable outer diameter
I: 4-6.5mm, II: 5-8mm



Rear-nut mount
Mate with Sy1310



SY1312 / P _ _ _ SY1312 / S _ _ _
Number of contact

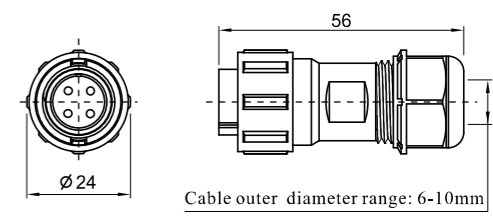
C: with cap
N: without cap
Number of contact

SY17 Series

**SY
17**



Cable connector
Mate with SY1711, SY1712

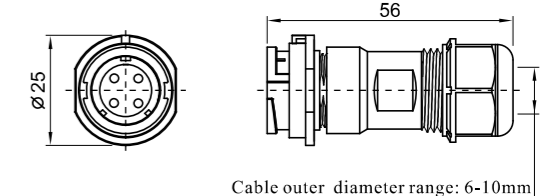


SY1710 / P _ _ _ N SY1710 / S _ _ _ N
Male contact

I: solder, 3: crimp
Number of contact
Female contact



In-line cable connector
Mate with SY1710

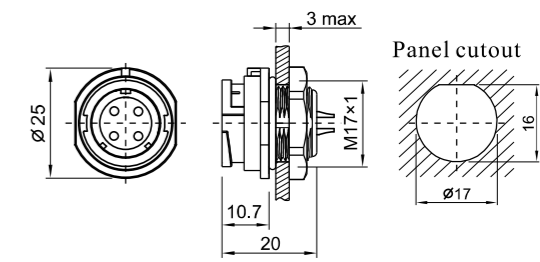


SY1711 / P _ _ _ SY1711 / S _ _ _
Number of contact

C: with cap
N: without cap
I: solder, 3: crimp
Number of contact



Rear-nut mount
Mate with SY1710



SY1712 / P _ _ _ SY1712 / S _ _ _
Number of contact

C: with cap
N: without cap
I: solder, 3: crimp
Number of contact

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

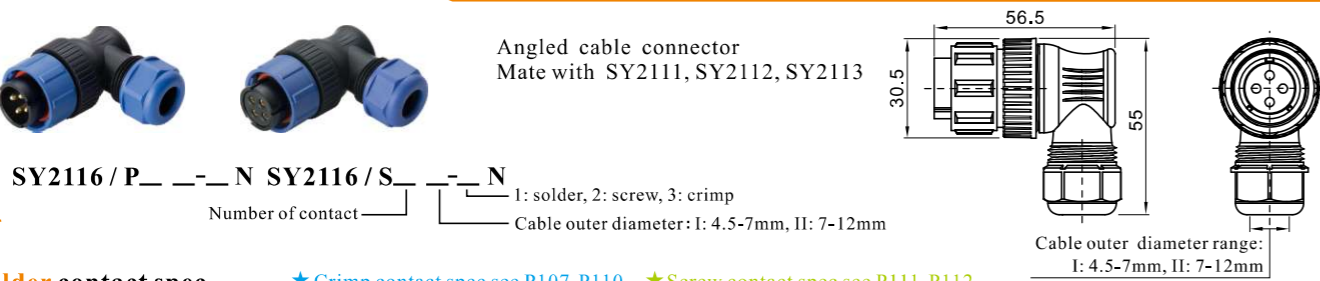
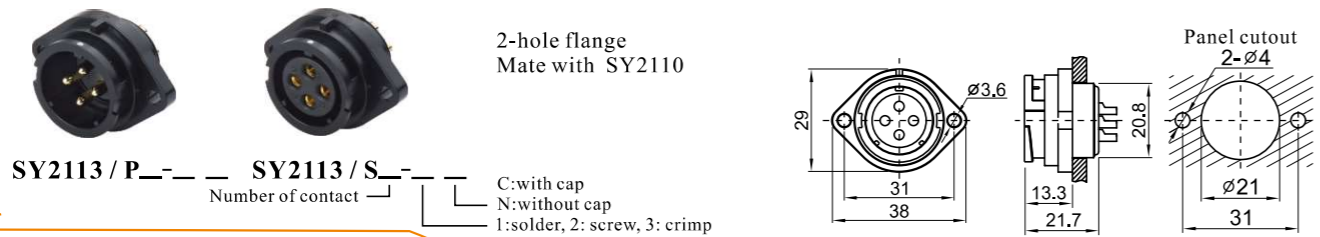
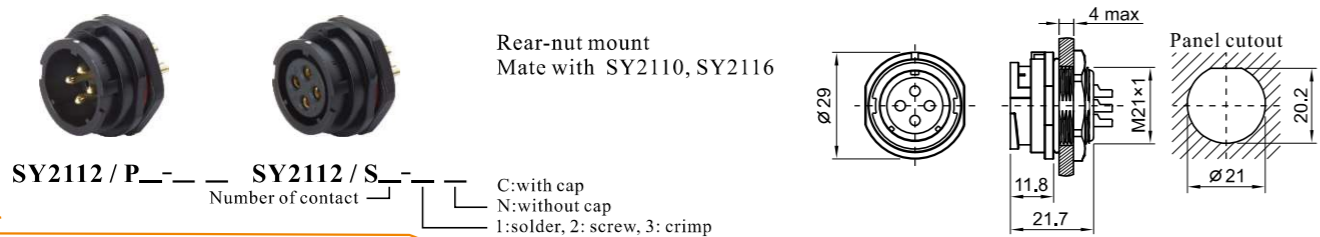
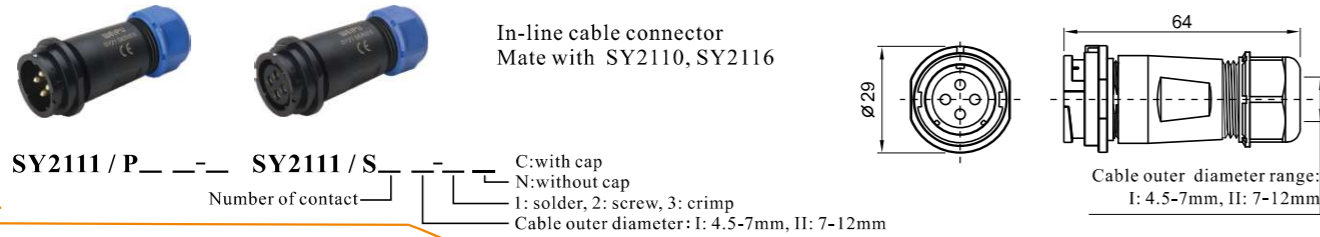
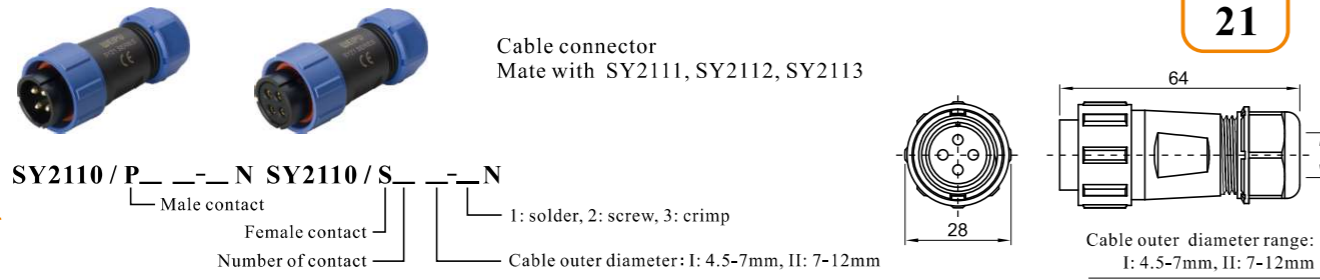
Solder contact spec

★ Crimp contact spec see P107-P110

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)	≤2/14	≤2/14	≤0.75/18	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

SY21 Series

**SY
21**



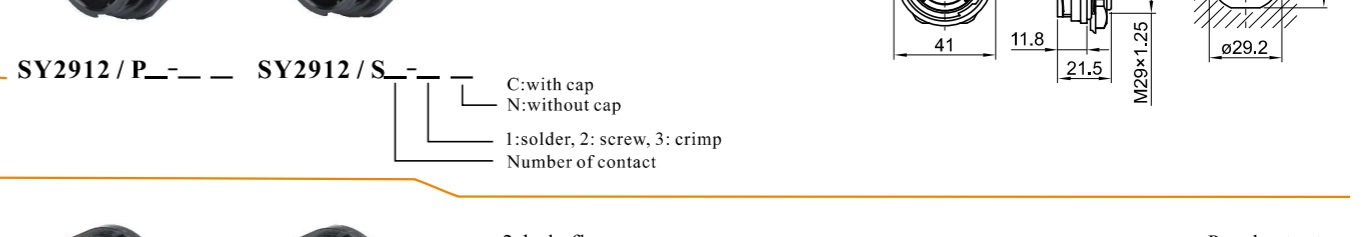
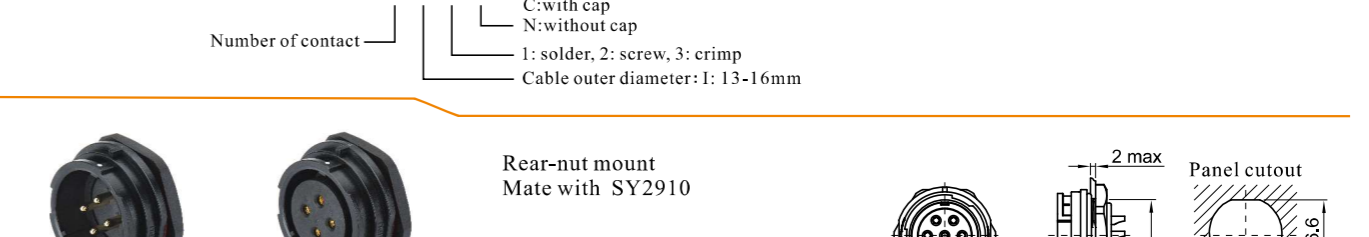
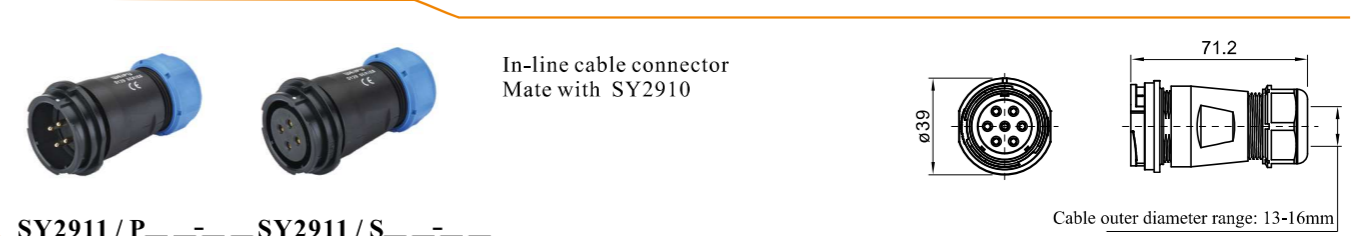
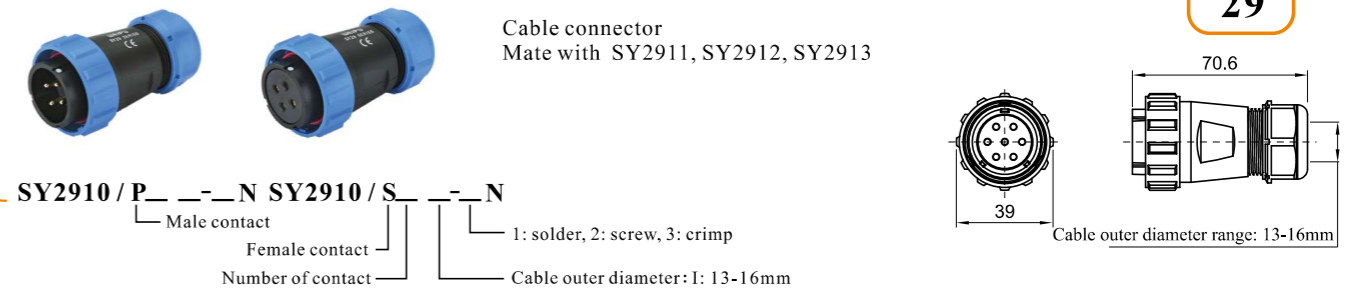
Solder contact spec

★ Crimp contact spec see P107-P110 ★ Screw contact spec see P111-P112

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)	φ3X2	φ3X3	φ3X4	φ3X5	φ3X2 φ1X3	φ2X5	φ2.5X4 φ1X2	φ3X2 φ1X4	φ2X7	φ1.5X10	φ1X9	φ1X12	φ1X15
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**



Solder contact spec

★ Crimp contact spec see P107-P110 ★ Screw contact spec see P111-P112

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)	φ3.5X2	φ3.5X3	φ2.5X4	φ2.5X7	φ2.5X8	φ5X2 φ1X6	φ2.5X4 φ1X5	φ2.5X10	φ1.5X10	φ1.5X12	φ1.5X16	φ1.5X17	φ1X20	φ1X24	φ1X26	φ1X35
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	solder	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
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 (mm ² / AWG)	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/