

IP67



08

Part Section Showing Internal Components



★ 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 Data: PBT, PVC	
Contact material	Brass with gold plating	
Termination	Solder: SY11, SY13, SY17, SY21, SY25, SY29 Crimp: SY17, SY21, SY25, SY29 Screw: SY21, SY25, SY29 (Ø2.5, Ø3, Ø3.5mm contact)	
Cable outer diameter range	SY11: I:3-4mm, II: 4-6.5mm SY17: 6-10mm SY25: I:10-14mm, II: 7-12mm	SY13: I: 4-6.5mm , II: 5-8mm SY21: I: 4.5-7mm, II:7-12mm, III: 5-9mm SY29:I:9-13mm, II:13-16mm
IP rating	IP67 (mated)	
Mating cycle	500	
Working temperature range	-40℃ ~ +85℃ ; Data: -20℃ ~ +70℃	
Insulation resistance	2000 MΩ	
Transmission Speed	Cat 5: 100Mbps, Cat 6: 100-1000Mbps	

SY25 Series



**SY
25**



SY2510/P — — **SY2510/S**

Male contact

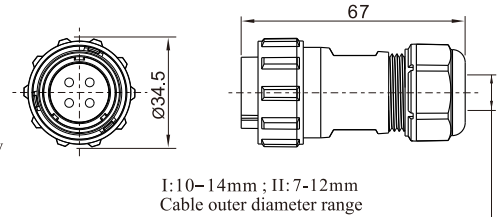
Female contact

Number of contact

Cable connector
Mate with SY2511, SY2511C,
SY2512, SY2513, SY2515

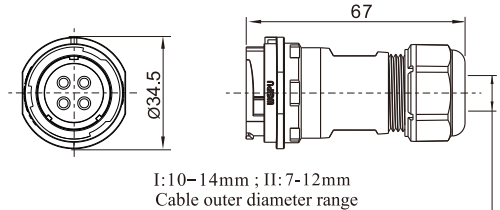
1: solder, 2: screw, 3: crimp, 8: angled screw

Cable outer diameter range
I: 10-14mm ; II: 7-12mm



SY2511C / P — — **SY2511C / S** — —

In-line cable connector C
Mate with SY2510

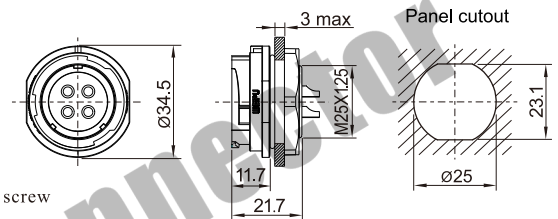


SY2512 / P — — **SY2512 / S** — —

Number of contact

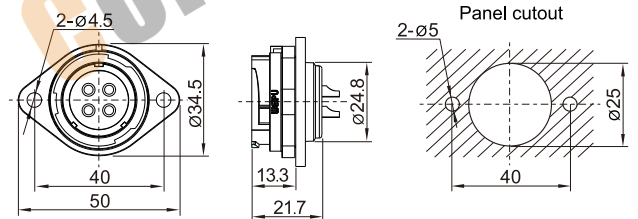
Rear-nut mount
Mate with SY2510

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



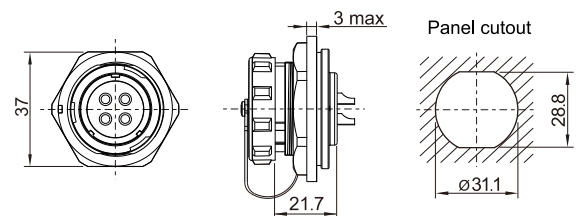
SY2513 / P — — **SY2513 / S** — —

2-hole flange
Mate with SY2510



SY2515 / P — — **SY2515 / S** — —

Front-nut mount
Mate with SY2510



Solder contact spec

★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
Termination	solder / screw	solder / screw	solder / screw	/	/	/	/	/
Wire size (mm ² /AWG)	≤4/12	≤4/12	≤4/12	≤0.75/18 ≤4/12	≤1.5/16	≤1.5/16	≤0.75/18 ≤4/12	≤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	/	/	/	/	/