

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	

SY13 Series



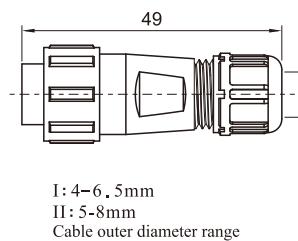
Cable connector
Mate with SY1311,
SY1311C, SY1312

SY1310 / P —

SY1310 / S —

Male contact

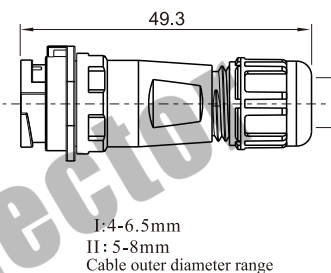
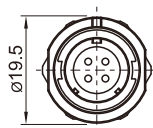
Cable outer diameter range
I: 4-6.5mm, II: 5-8mm
Number of contact
Female contact



In-line cable connector C
Mate with SY1310

SY1311C / P —

SY1311C / S —

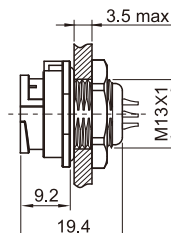
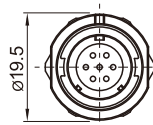


Rear-nut mount
Mate with SY1310

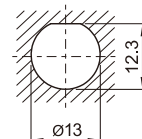
SY1312 / P —

SY1312 / S —

Number of contact



Panel cutout



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 (mm² / AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

SY13 Series



Cable connector
Mate with SY1311, SY1312

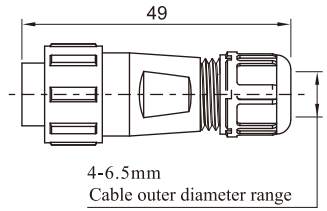
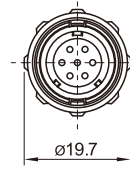
SY1310 / P

SY1310 / S

Male contact

(CU):
Colour: All black

Number of contact
Female contact



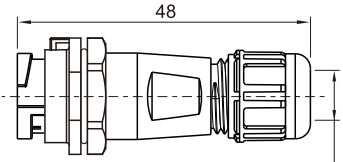
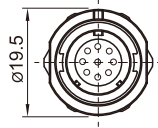
4-6.5mm
Cable outer diameter range



In-line cable connector
Mate with SY1310

SY1311 / P

SY1311 / S



4-6.5mm
Cable outer diameter range

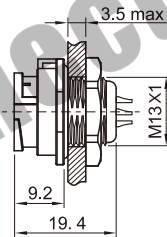
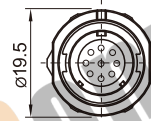


Rear-nut mount
Mate with SY1310

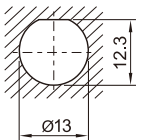
SY1312 / P

SY1312 / S

(CU):
Number of contact



Panel cutout



Solder contact spec

Number of contact	9
Male contact face view	
Rated current (A)	3
Contact diameter (mm)	Ø0.7X9
Rated voltage (AC.V)	125
Test voltage(AC.V) 1 min	1000
Contact resistance (mΩ)	10
Wire size (AWG)	20