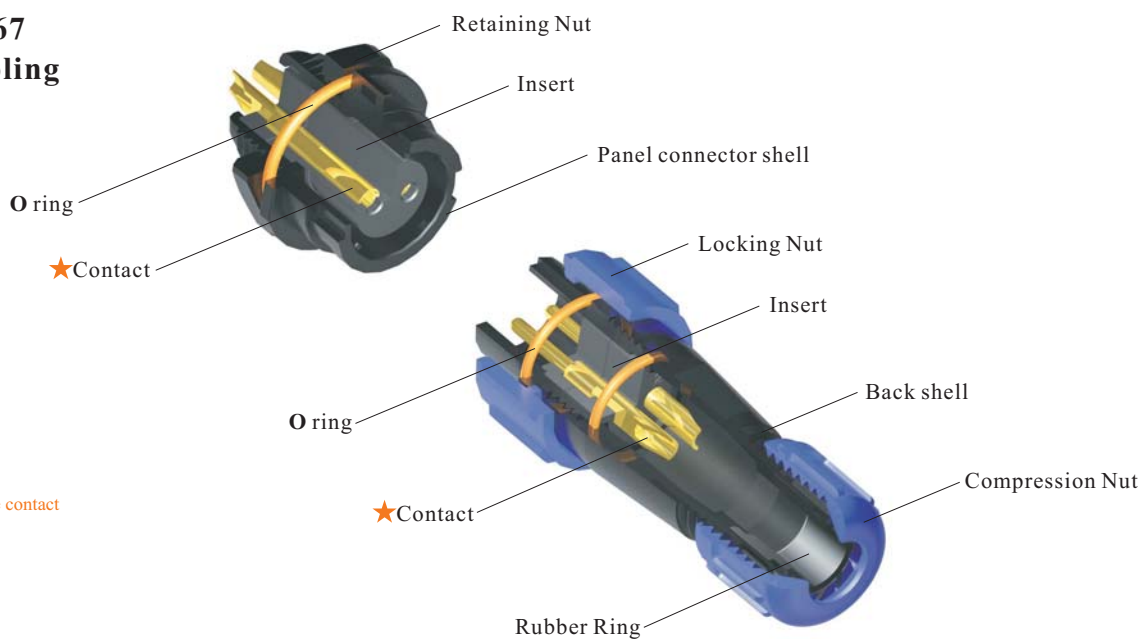


IP67



08

- 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, 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:9-13 mm, II:13-16mm
IP rating	IP67 (mated)
Mating cycle	500
Temperature range	-40°C~+85°C; Signal, Data: -20°C ~+70°C
Insulation resistance	2000 MΩ
Transmission Speed	Cat 5: 100Mbps, cat 6: 100-1000Mbps

SY11 Series

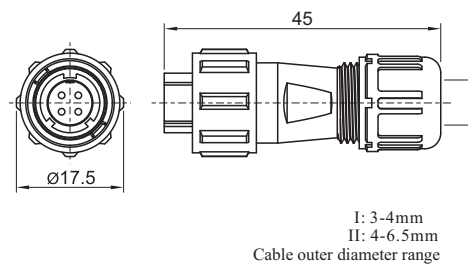


Cable connector
Mate with SY1111,
SY1111C, SY1112

SY1110 / P — — SY1110 / S — —

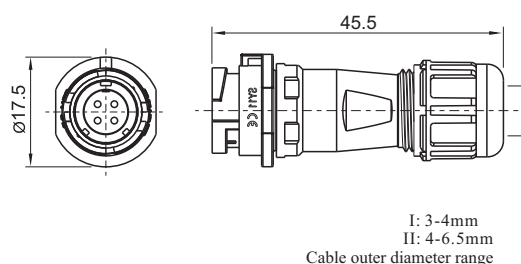
Male contact

Cable outer diameter range
I: 3-4mm, II: 4-6.5mm
Number of contact
Female contact



In-line cable connector C
Mate with SY1110

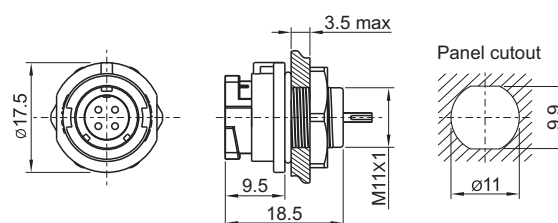
SY1111C / P — — SY1111C / S — —



Rear-nut mount
Mate with SY1110

SY1112 / P — — SY1112 / S — —

Number of contact



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

SY11 Series



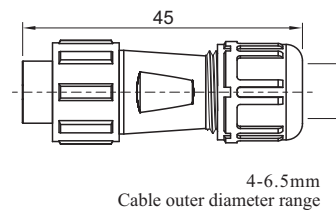
Cable connector
Mate with SY1111, SY1112

SY1110/P__

SY1110/S__

Male contact

(CU): US
Colour: All black
Number of contact
Female contact



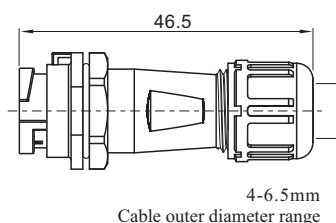
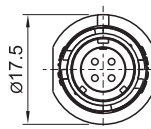
4-6.5mm
Cable outer diameter range



In-line cable connector
Mate with SY1110

SY1111/P__

SY1111/S__



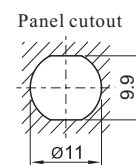
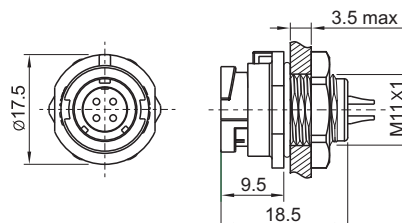
4-6.5mm
Cable outer diameter range



Rear-nut mount
Mate with SY1110

SY1112/P__

SY1112/S__



Solder contact spec

Number of contact	4	5
Male contact face view		
Rated current (A)	3	3
Contact diameter(mm)	Ø0.7X4	Ø0.7X5
Rated voltage (AC.V)	125	125
Test voltage(AC.V) 1 min	1000	1000
Contact resistance(mΩ)	10	10
Wire size (AWG)	20	20

SY13 Series



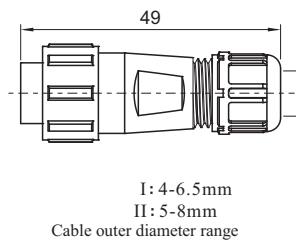
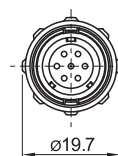
SY1310 / P

SY1310 / S

Male contact

Cable connector
Mate with SY1311,
SY1311C, SY1312

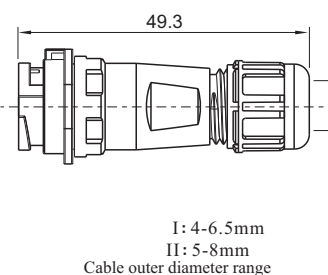
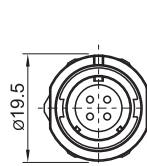
Cable outer diameter range
I: 4-6.5mm, II: 5-8mm
Number of contact
Female contact



SY1311C / P

SY1311C / S

In-line cable connector C
Mate with SY1310

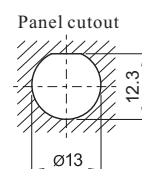
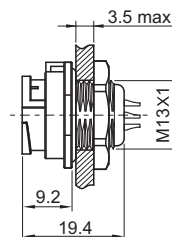
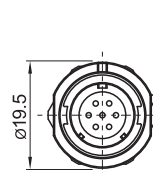


SY1312 / P

SY1312 / S

Rear-nut mount
Mate with SY1310

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 (mm² / AWG)	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

SY13 Series



SY1310 / P__

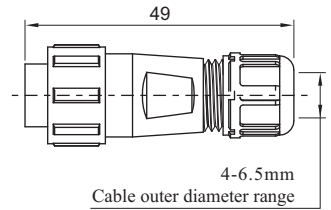
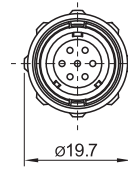
SY1310 / S__

Male contact

Cable connector
Mate with SY1311, SY1312

(CU):
Colour: All black

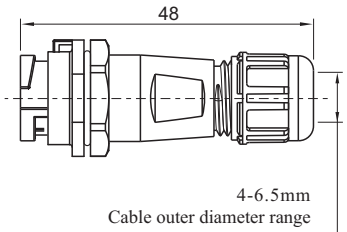
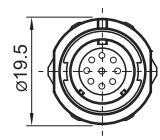
Number of contact
Female contact



SY1311 / P__

SY1311 / S__

In-line cable connector
Mate with SY1310

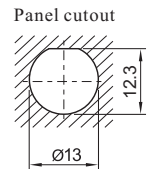
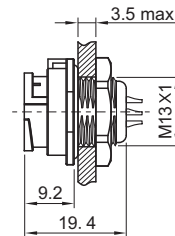
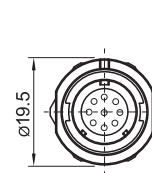


SY1312 / P__

SY1312 / S__

Rear-nut mount
Mate with SY1310

(CU):
Number of contact



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

SY17 Series



Cable connector
Mate with SY1711,
SY1711C, SY1712

SY1710 / P _ _

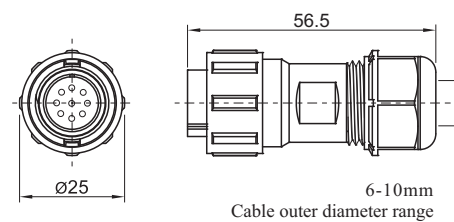
SY1710 / S _ _

Male contact

1: solder, 3: crimp

Number of contact

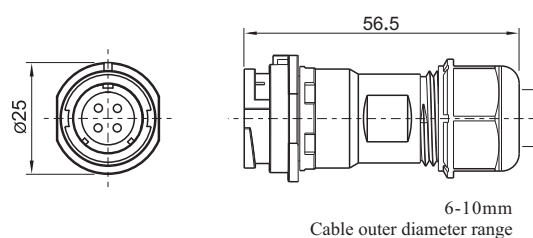
Female contact



In-line cable connector C
Mate with SY1710

SY1711C / P _ _

SY1711C / S _ _



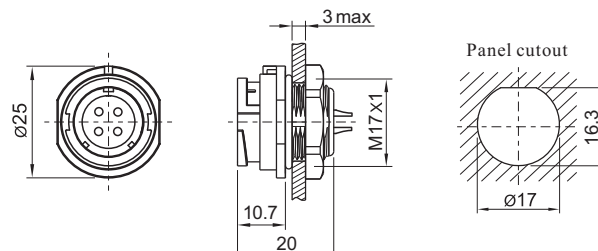
08



Rear-nut mount
Mate with SY1710

SY1712 / P _ _

SY1712 / S _ _



Solder contact spec

★Crimp contact spec see P22

★Screw contact spec see P23

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(mm²/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

SY21 Series

**SY
21**



SY2110 / P — **SY2110 / S**

Male contact

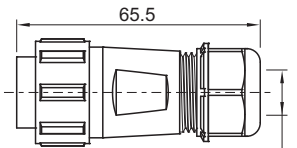
Female contact

Number of contact

Cable connector
Mate with SY2111, SY2111C,
SY2112, SY2113

1: solder, 2: screw, 3: crimp

Cable outer diameter range
I: 4.5-7mm, II: 7-12mm, III: 5-9mm



I: 4.5-7mm
II: 7-12mm
III: 5-9mm

Cable outer diameter range



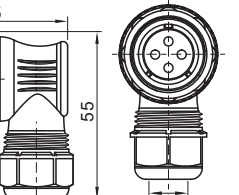
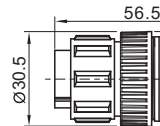
SY2116 / P — **SY2116 / S**

Number of contact

Angled cable connector
Mate with SY2111, SY2111C, SY2112, SY2113

1: solder, 2: screw, 3: crimp

Cable outer diameter range
I: 4.5-7mm, II: 7-12mm, III: 5-9mm

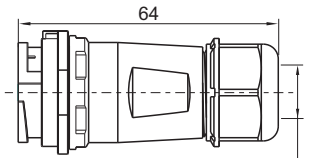
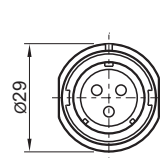


I: 4.5-7mm, II: 7-12mm, III: 5-9mm
Cable outer diameter range



SY2111C / P — **SY2111C / S**

In-line cable connector C
Mate with SY2110, SY2116



I: 4.5-7mm
II: 7-12mm
III: 5-9mm

Cable outer diameter range

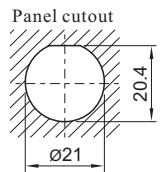
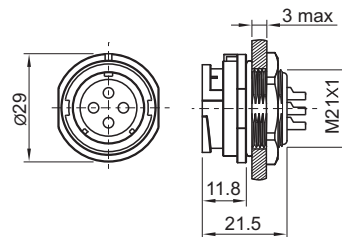


SY2112 / P — **SY2112 / S**

Number of contact

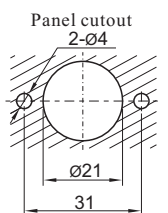
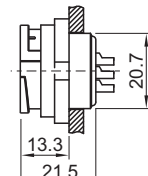
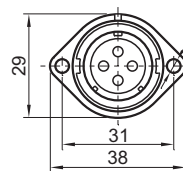
Rear-nut mount
Mate with SY2110, SY2116

1: solder, 2: screw, 3: crimp



SY2113 / P — **SY2113 / S**

2-hole flange
Mate with SY2110, SY2116



Solder contact spec

★Crimp contact spec see P22

★Screw contact spec see P23

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)	Ø3X2	Ø3X3	Ø3X4	Ø3X5	Ø3X2 Ø1X3	Ø2X5	Ø2.5X4 Ø1X2	Ø3X2 Ø1X4	Ø2X7	Ø1.5X8	Ø1X9	Ø1X12	Ø1X15
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	1200	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)	≤4/12	≤4/12	≤4/12	≤4/12	≤4/12 ≤0.75/18	≤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	Min:0.5/20 Max:1.5/15	/	/	/	/	/	/	/	/	/

SY25 Series



**SY
25**



SY2510/P

SY2510/S

Male contact

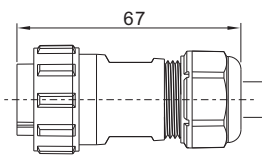
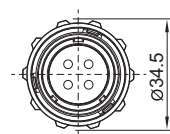
Female contact

Number of contact

Cable connector
Mate with SY2511, SY2511C,
SY2512, SY2513

1: solder, 2: screw, 3: crimp

Cable outer diameter range
I: 10-14mm



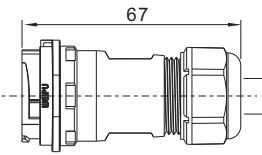
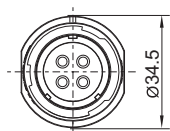
I: 10-14mm; II: 7-12mm
Cable outer diameter range



SY2511C / P

SY2511C / S

In-line cable connector C
Mate with SY2510



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



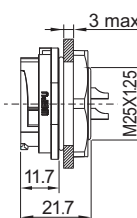
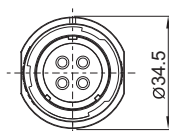
SY2512 / P

SY2512 / S

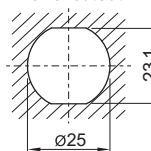
Number of contact

Rear-nut mount
Mate with SY2510

1: solder, 2: screw, 3: crimp



Panel cutout



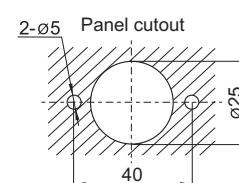
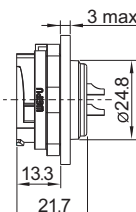
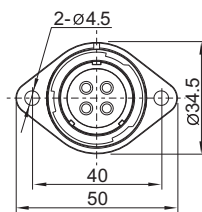
08



SY2513 / P

SY2513 / S

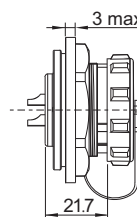
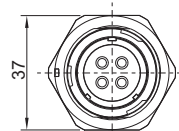
2-hole flange
Mate with SY2510



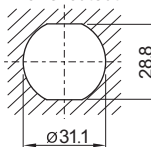
SY2515 / P

SY2515 / S

Front-nut mount
Mate with SY2510



Panel cutout



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
(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	/	/	/	/	/
Wire size for screw termination								

SY25 Series



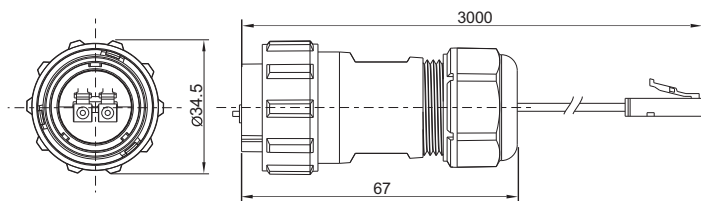
SY25
Signal&Data



Plug with LC adapter
Mate with SY2511, SY2511C,
SY2512, SY2513, SY2515

SY2510/PLC-

Cable length:
1.0m
3.0m
5.0m

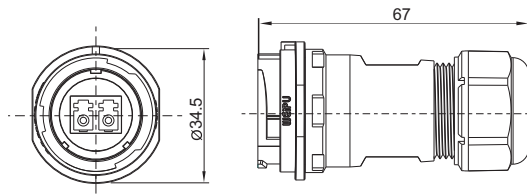


★ Cable length can be customized



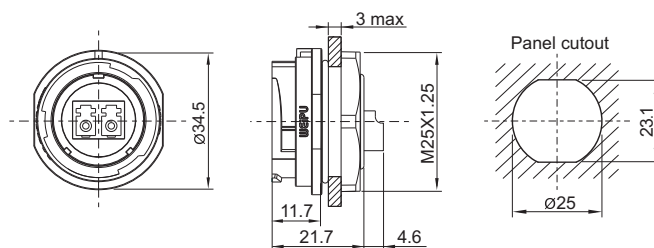
SY2511C/SLC

Receptacle with LC adapter C
Mate with SY2510



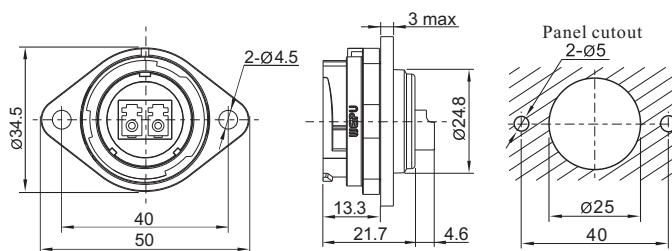
SY2512/SLC

Rear-nut mount receptacle
with LC adapter
Mate with SY2510



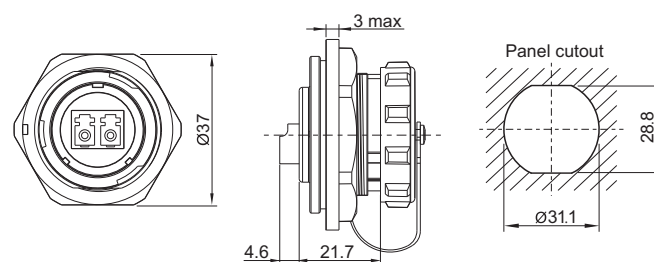
SY2513/SLC

2-hole flange
with LC adapter
Mate with SY2510



SY2515/SLC

Front-nut mount
with LC adapter
Mate with SY2510



SY25 Series



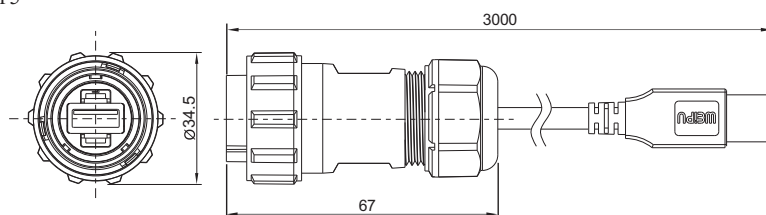
SY25
Signal&Data



Plug with USB3.0 adapter
Mate with SY2511, SY2511C,
SY2512, SY2513, SY2515

SY2510/PUSB3.0-

Cable length:
1.0m
3.0m
5.0m

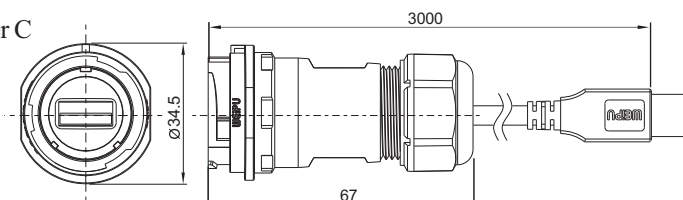


★ The cable length can be customized, but not more than 3 meters.



Rceptacle with USB3.0 adapter C
Mate with SY2510

SY2511C/SUSB3.0-

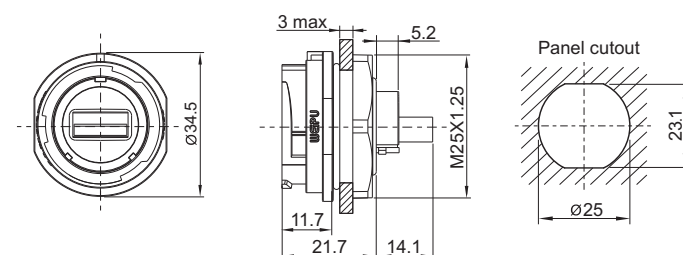


★ The cable length can be customized, but not more than 3 meters.



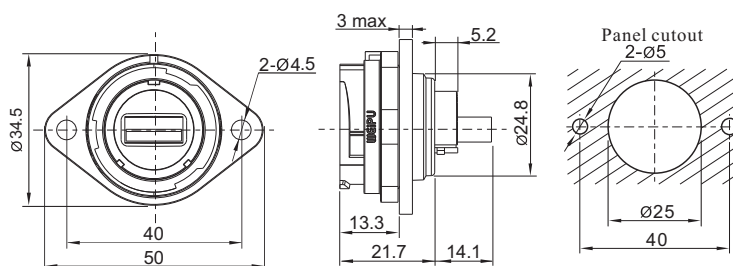
Rear-nut mount receptacle
with USB3.0 adapter
Mate with SY2510

SY2512/SUSB3.0



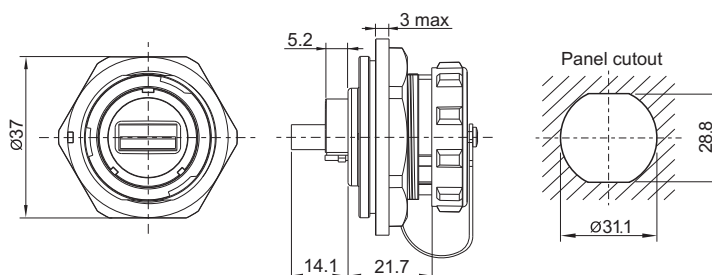
2-hole flange
with USB3.0 adapter
Mate with SY2510

SY2513/SUSB3.0



Front-nut mount
with USB3.0 adapter
Mate with SY2510

SY2515/SUSB3.0





SY25 Series

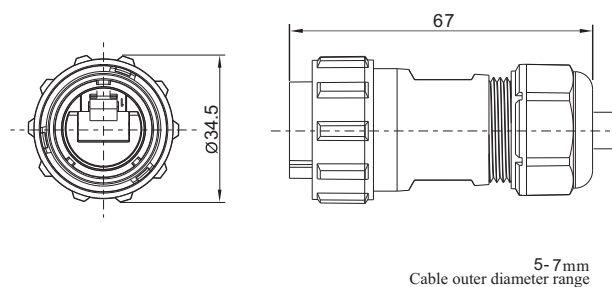
SY25
Signal&Data



Plug with RJ 45 adapter
Mate with SY2511, SY2511C,
SY2512, SY2513, SY2515

SY2510/PRJ45

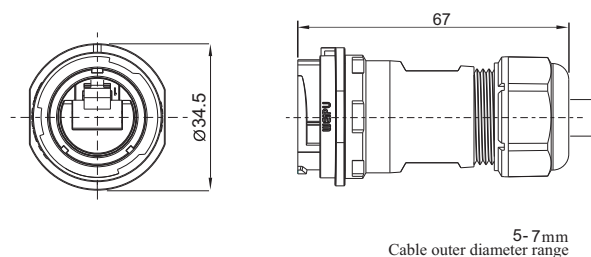
Blank: CAT5
-C6: CAT6



Receptacle with RJ45 adapter C
Mate with SY2510

SY2511C/SRJ45

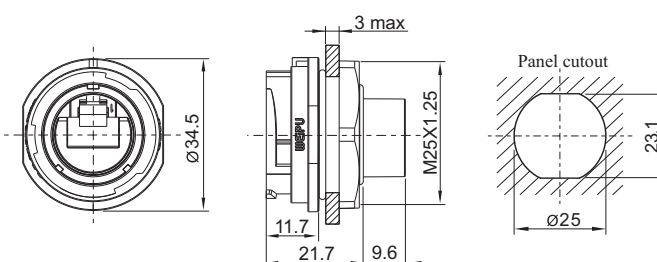
Blank: CAT5
-C6: CAT6



Rear-nut mount receptacle
with RJ45 adapter
Mate with SY2510

SY2512/SRJ45

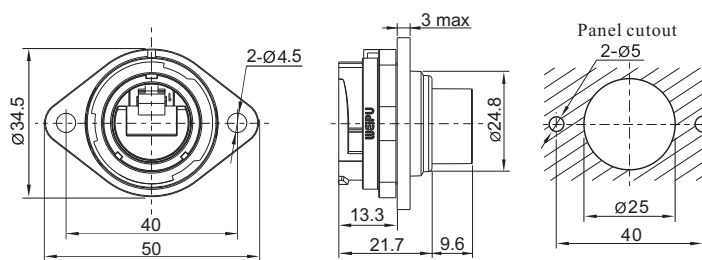
Blank: CAT5
-C6: CAT6



2-hole flange
with RJ45 adapter
Mate with SY2510

SY2513/SRJ45

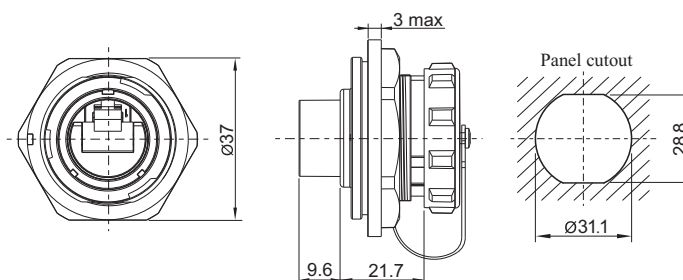
Blank: CAT5
-C6: CAT6



Front-nut mount
with RJ45 adapter
Mate with SY2510

SY2515/SRJ45

Blank: CAT5
-C6: CAT6



SY25 Series



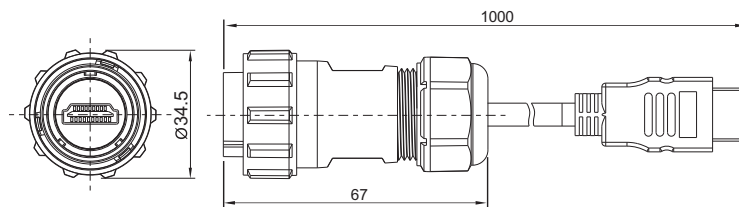
SY25
Signal&Data



SY2510/PHDMI2.0—

Plug with HDMI adapter
Mate with SY2511, SY2511C,
SY2512, SY2513, SY2515

Cable length:
1.0m
3.0m
5.0m



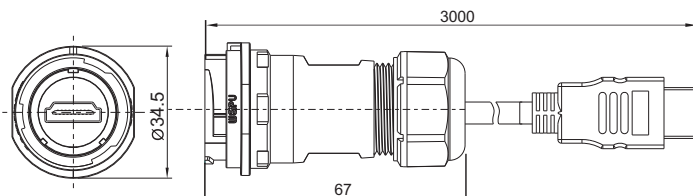
★ The cable length can be customized, but not more than 5 meters.

08



SY2511C/SHDMI2.0—

Receptacle with
HDMI2.0 adapter C
Mate with SY2511, SY2511C,
SY2512, SY2513, SY2515

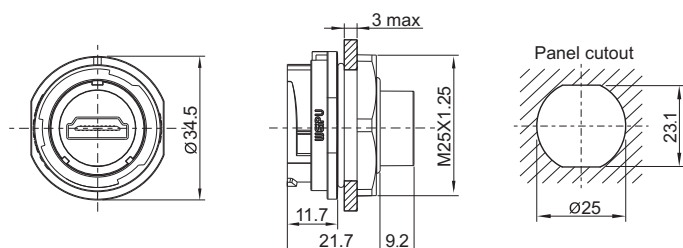


★ The cable length can be customized, but not more than 5 meters.



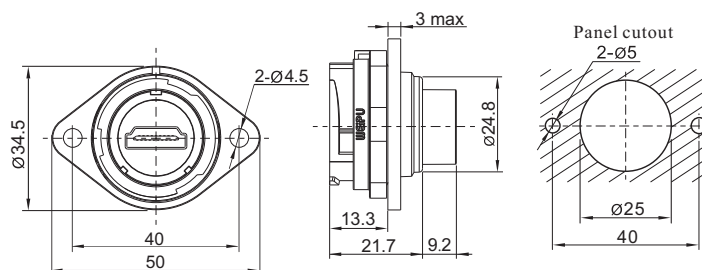
SY2512/SHDMI2.0

Rear-nut mount receptacle
with HDMI2.0 adapter
Mate with SY2510



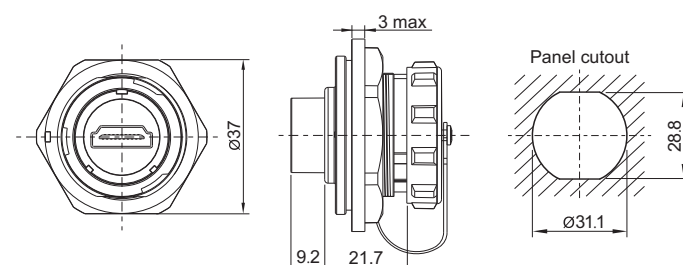
SY2513/SHDMI2.0

2-hole flange
with HDMI2.0 adapter
Mate with SY2510



SY2515/SHDMI2.0

Front-nut mount
with HDMI2.0 adapter
Mate with SY2510



SY29 Series

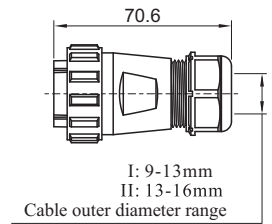
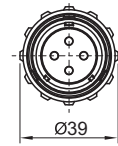
**SY
29**



Cable connector
Mate with SY2911, SY2911C,
SY2912, SY2913

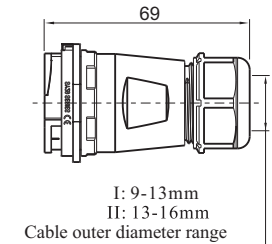
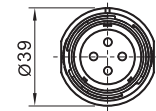
SY2910 / P _ _ _ **SY2910 / S** _ _ _

Male contact
Female contact
Number of contact
1: solder, 2: screw, 3: crimp
I: 9-13mm II: 13-16mm
Cable outer diameter range



In-line cable connector C
Mate with SY2910

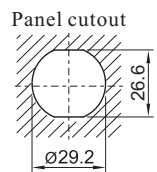
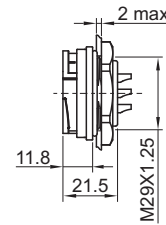
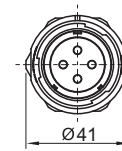
SY2911C / P _ _ _ **SY2911C / S** _ _ _



Rear-nut mount
Mate with SY2910

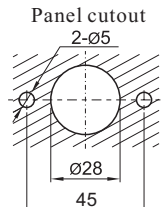
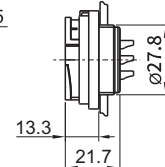
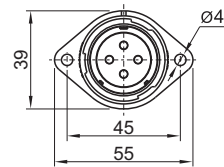
SY2912 / P _ _ **SY2912 / S** _ _

1: solder, 2: screw, 3: crimp
Number of contact



2-hole flange
Mate with SY2910

SY2913 / P _ _ **SY2913 / S** _ _



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
(mm ² /AWG)	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	/	/	/	/	/	/	/	/
Wire size for screw termination																

