



Connect to put the new realm of technique

WEIPU was established in 1996, specialize in R&D and manufacturing the industrial connectors , we are the member of “National Electrical Appliances Standardization Technical Committees ” and one of the members to draft the national standard for industrial connectors GB/T11918.



Factory premises



Workshop building



ISO 9001 ISO/TS 22163

In-house Test Lab Equipment



Vibration Test Equipment



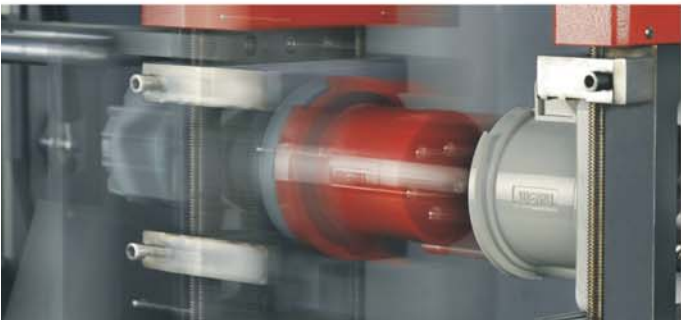
Electric Current Break Test Equipment



Optical Comparator



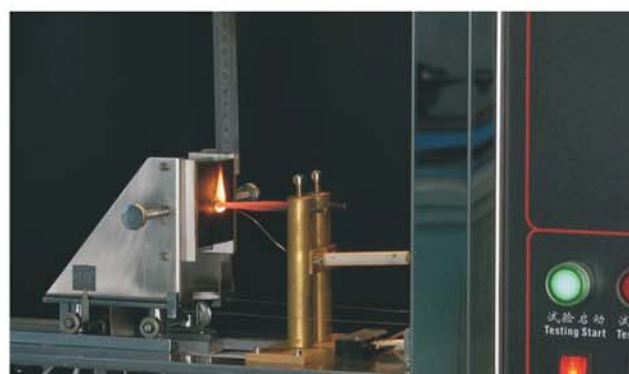
Waterproof Ip Rating Test Chamber



Mating Cycle Life Time Test Machine



Accurate Size Test Equipment



Series

Page

M23 Series

[CLICK >](#)

01/01-08

IP rating: IP67
Coupling: threaded
No. of contact: for power: 6, 8
for signal: 9, 12, 17, 19



SF Series

[CLICK >](#)

02/01-08

IP rating: IP67
Coupling: push-pull
No. of contact: SF6: 2-5 SF12: 2-9
SF8: 2-8 SF16: 1-10
SF10: 2-5 SF20: 1-15



SA Series

[CLICK >](#)

03/01-13

IP rating: IP67
Coupling: push-pull
No. of contact: SA6: 2-5 SA16: 1-10
SA8: 2-8 SA20: 1-15
SA10: 2-5 SA24: 2-19
SA12: 2-9 SA28: 2-35


NEW

Signal Data Series

IP rating: IP67
Coupling: push-pull
No. of contact: LC, RJ45,
USB3.0, HDMI2.0

ST Series

[CLICK >](#)

04/01-02

IP rating: IP67
Coupling: threaded
No. of contact: 2-9



SP Series

[CLICK >](#)

05/01-14

IP rating: IP68
Coupling: threaded
No. of contact: SP11: 2-5 SP21: 1-15
SP13: 2-9 SP25: 2-19
SP17: 1-10 SP29: 2-35



Series

Page

SY Series

[CLICK >](#)

06/01-14

IP rating: IP67
Coupling: bayonet
No. of contact: SY11: 2-5 SY21: 1-15
SY13: 2-9 SY25: 2-19
SY17: 1-10 SY29: 2-35

NEW Signal Data Series

IP rating: IP67
Coupling: bayonet
No. of contact: LC, RJ45,
USB3.0, HDMI2.0



WA22 Series

[CLICK >](#)

07/01-03

IP rating: IP67
Coupling: threaded
No. of contact: 3+PE, 6+PE



WAC3 Series

[CLICK >](#)

08/01-02

IP rating: IP65
Coupling: bayonet
No. of contact: 3



RJ45F Series

[CLICK >](#)

09/01-02

IP rating: IP67
Coupling: bayonet



WP Series

[CLICK >](#)

10/01-02

IP rating: IP44, IP55
Coupling: bayonet
No. of contact: 1-15



Series

Page

WT Series

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11/01-02

IP rating: for indoor only
Coupling: bayonet
No. of contact: 3, 5



WL52 Series

[CLICK >](#)

12/01-06

IP rating: IP66, IP67
Coupling: threaded
No. of contact: 19



WD Series

[CLICK >](#)

13/01-02

IP rating: IP55, IP65
Coupling: threaded
No. of contact: 4, 15



WB Series

[CLICK >](#)

14/01-03

IP rating: for indoor only
Coupling: threaded
No. of contact: 4, 7



WS Series

[CLICK >](#)

15/01-09

IP rating: for indoor only
Coupling: threaded
No. of contact: 1-61



Series

Page

WF Series

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16/01-10

IP rating: IP55, IP65, IP67
Coupling: threaded
No. of contact: 1-61



WY16-55 Series

[CLICK >](#)

17/01-12

IP rating: IP55, IP65, IP66, IP67
Coupling: bayonet
No. of contact: 1-61

NEW

WY12 Series

IP rating: IP67
Coupling: bayonet
No. of contact: 2-9

NEW

Signal Data Series

IP rating: IP67
Coupling: bayonet
No. of contact: LC, RJ45, USB3.0, HDMI2.0



Electrical accessories

[CLICK >](#)

18/01-04

Cable gland
Adapter
Junction-box



Solder contact spec

[CLICK >](#)

19/01-02

For SA, SF, SP, SY, WB, WD, WP,
ST, WL, WS, WF, WY series



Series

Page

[CLICK >](#)
Crimp contact spec and tool

20/01-05

For SA, SF, SP, SY, WP,
WS, WF, WY series



Screw contact spec [CLICK >](#)

21/01-02

For SP, SY, SF, SA, WP, WS, WF, WY series





IP67

M23
Power



● M23 for power

Material and spec

Shell material	Zinc alloy with nickel plating
Contact material	Brass with gold plating
Insert material	PA66
Insulation resistance	$>10^{13} \text{ m}\Omega$
Termination	Crimp
Temperature range	$-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
Mating cycle	1000
Cable outer diameter range	I: 4-8mm (Special order) II: 8-13mm (omit) III: 12-17mm (Special order)
IP rating	IP67
Coupling	Threaded coupling

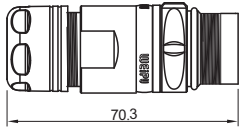
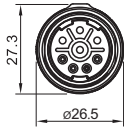


Male contact
cable connector

M23DJ TK

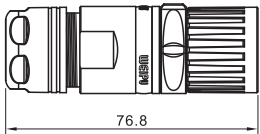
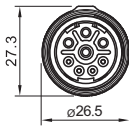
Number of contact

- Colour
 - Gray: GY (Standard)
 - Black: BK (Special order), Orange: OG (Special order)
 - Blue: BU (Special order), Green: GN (Special order)
 - Purple: PL (Special order)
- Cable outer diameter range
 - I: 4-8mm (Special order)
 - II: 8-13mm (omit)
 - III: 12-17mm (Special order)
- S: Shield
- U: Unshielded



Female contact
cable connector

M23DK TK





Male contact square flange receptacle

M23DJ_Z

Number of contact

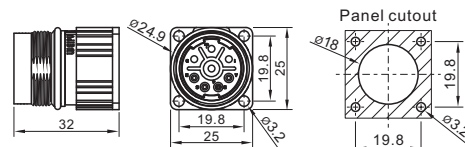
Colour

Gray: GY (omit)

Black: BK (Special order), Orange: OG (Special order)

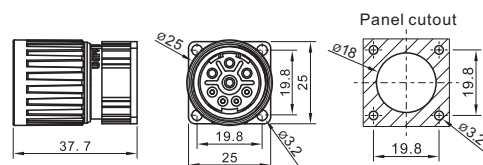
Blue: BU (Special order), Green: GN (Special order)

Purple: PL (Special order)



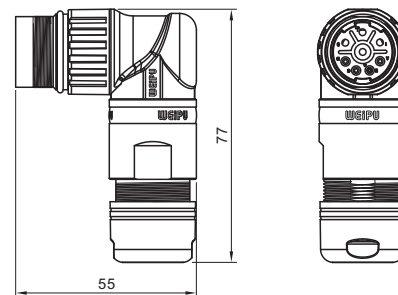
Female contact square flange receptacle

M23DK_Z



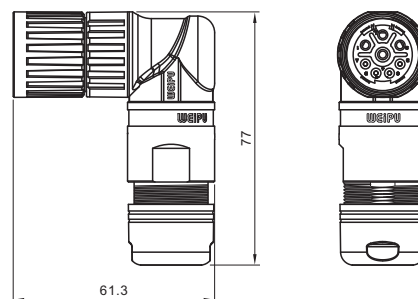
Male contact angled cable connector

M23DJ_TL



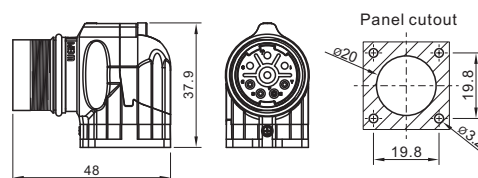
Female contact angled cable connector

M23DK_TL



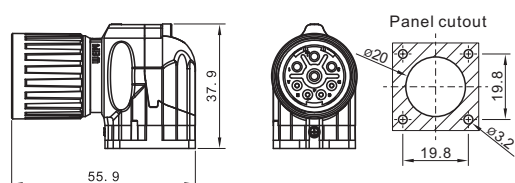
Male contact angled square flange receptacle

M23DJ_ZL



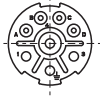
Female contact angled square flange receptacle

M23DK_ZL



M23 for power contact arrangement and spec

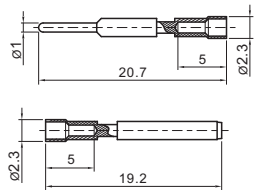
01

Male contact face view	Number of contact	Contact diameter (mm)	Rated voltage (AC.V)	Rated current (A)	Test voltage (AC.V)1min
	6(5+PE)	ø2	600	28	4000
	8(3+4+PE)	ø1×4 ø2×4	300 600	8 28	2500

M23 contact spec

8A Crimp contact

- ※ Contact diameter:Ø1
- ※ Material: Brass with gold plating



8A Male crimp contact

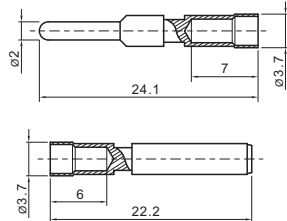
Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.08-0.5mm ² AWG 28-20	4mm	YJ1-20.7-0.56AU	CTW-0.14/4
0.25-1.0mm ² AWG 23-17	4mm	YJ1-20.7-1.0AU	CTW-0.14/4

8A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.08-0.5mm ² AWG 28-10	4mm	YK1-19.2-0.56AU	CTW-0.14/4
0.25-1.0mm ² AWG 23-17	4mm	YK1-19.2-1.0AU	CTW-0.14/4

28A Crimp contact

- ※ Contact diameter:Ø2
- ※ Material: Brass with gold plating



28A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.08-0.5mm ² AWG 28-20	7mm	YJ2-24.1-0.56AU	CTW-0.14/4
1-2.5mm ² AWG 18-13	7mm	YJ2-24.1-2.5AU	CTW-0.14/4
2.5-4mm ² AWG 13-12	7mm	YJ2-24.1-4.0AU	CTW-0.14/4

28A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.08-0.5mm ² AWG 28-20	6mm	YK2-22.2-0.56AU	CTW-0.14/4
1-2.5mm ² AWG 18-13	6mm	YK2-22.2-2.5AU	CTW-0.14/4
2.5-4mm ² AWG 13-12	6mm	YK2-22.2-4.0AU	CTW-0.14/4

Crimp tool

For crimping the male / female contacts



Part number	Crimping wire range
CTW-0.14/4	0.14-4mm ² AWG 25-11

IP67



● M23 for signal

Material and spec

Shell material	Zinc alloy with nickel plating	
Contact material	Brass with gold plating	
Insert material	PA66	
Insulation resistance	9、12 pins: $>10^{10}\text{m}\Omega$	17、19 pins: $>10^6\text{m}\Omega$
Termination	Crimp	
Temperature range	$-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$	
Mating cycle	1000	
Cable outer diameter range	I: 4-8mm (Special order) II: 8-13mm (omit) III: 12-17mm (Special order)	
IP rating	IP67	
Coupling	Threaded coupling	

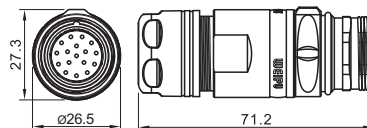


Male contact cable connector

M23SJ TK

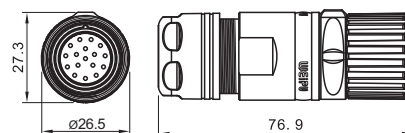
Number of contact

Coded chuck (See P01-07)
 N: Gray (omit), S: Black (Special order)
 H: Orange (Special order), X: Blue (Special order)
 Y: Green (Special order), Z: Purple (Special order)
 Cable outer diameter range
 I: 4-8mm (Special order) II: 8-13mm (omit)
 III: 12-17mm (Special order)
 S: Shield
 U: Unshielded



Female contact cable connector

M23SK TK _ _ _





Male contact square flange receptacle

M23SJ_Z

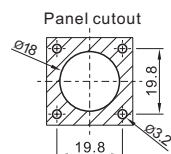
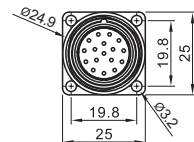
Number of contact

Coded chuck (See P01-07)

N: Gray (omit), S: Black (Special order)

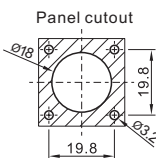
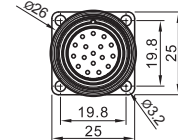
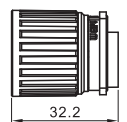
H: Orange (Special order), X: Blue (Special order)

Y: Green (Special order), Z: Purple (Special order)



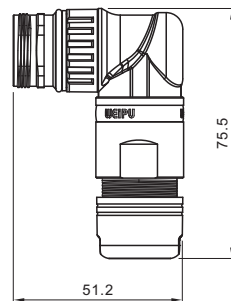
Female contact square flange receptacle

M23SK_Z_



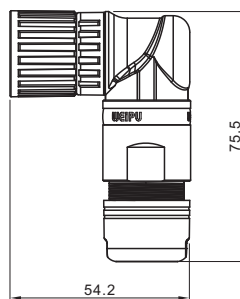
Male contact angled cable connector

M23SJ_TL_ _ _



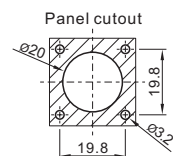
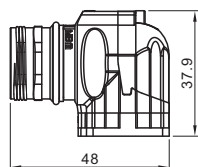
Female contact angled cable connector

M23SK_TL_ _ _



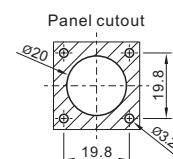
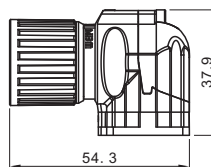
Male contact angled square flange receptacle

M23SJ_ZL_



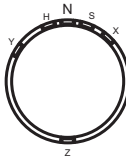
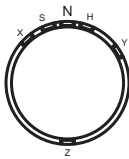
Female contact angled square flange receptacle

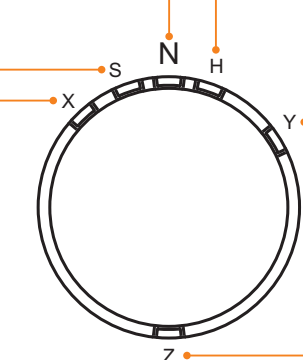
M23SK_ZL_



M23 for signal contact arrangement and spec

Male contact face view	Number of contact	Contact diameter (mm)	Rated voltage (AC.V)	Rated current (A)	Test voltage (AC.V)1min
	9(8+1)	ø1 8 ø2 1	300	8 20	2500
	12	ø1 12	300	8	2500
	17	ø1 17	150	8	1500
	19(16+3)	ø1 16 ø1.5 3	150	8 10	1500

Number of Contact	Optional Angle	Coded Chuck
9	N, S, H, X, Y	  Male contact face view Female contact face view
12	N, S, H, X, Y, Z	
17	N, S, H, X, Y, Z	
19	N, S, H, X, Y	
Code N is open in original state, if you need to use another, please open the coded chuck head.		

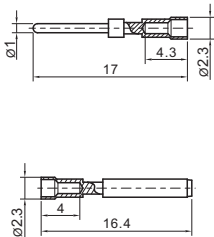


Choose different coded chucks with different colours

M23 for signal contact spec

8A Crimp contact

- ※ Contact diameter:Ø1
- ※ Material: Brass with gold plating



8A Male crimp contact

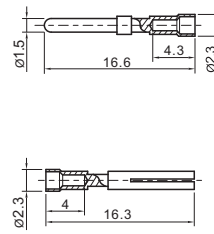
Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.08-0.5mm ² AWG 28-20	4mm	YJ1-17-0.56AU	CTW-0.14/4
0.56-1mm ² AWG 20-17	4mm	YJ1-17-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4mm	YJ1-17-1.5AU	CTW-0.14/4

8A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.08-0.5mm ² AWG 28-20	4mm	YK1-16.4-0.56AU	CTW-0.14/4
0.56-1mm ² AWG 20-17	4mm	YK1-16.4-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4mm	YK1-16.4-1.5AU	CTW-0.14/4

10A Crimp contact

- ※ Contact diameter:Ø1.5
- ※ Material: Brass with gold plating



10A Male crimp contact

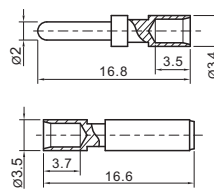
Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.14-0.5mm ² AWG 26-20	4mm	YJ1.5-16.6-0.56AU	CTW-0.14/4
0.5-1mm ² AWG 20-17	4mm	YJ1.5-16.6-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4mm	YJ1.5-16.6-1.5AU	CTW-0.14/4

10A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.14-0.5mm ² AWG 26-20	4mm	YK1.5-16.3-0.56AU	CTW-0.14/4
0.56-1mm ² AWG 20-17	4mm	YK1.5-16.3-1.0AU	CTW-0.14/4
1-1.5mm ² AWG 17-16	4mm	YK1.5-16.3-1.5AU	CTW-0.14/4

20A Crimp contact

- ※ Contact diameter:Ø2
- ※ Material: Brass with gold plating



20A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n
0.75-2.5mm ² AWG 18-13	3.5mm	YJ2-16.8-2.5AU	CTW-0.14/4

20A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n
0.75-2.5mm ² AWG 18-13	3.5mm	YK2-16.6-2.5AU	CTW-0.14/4

Crimp tool

For crimping the male / female contacts

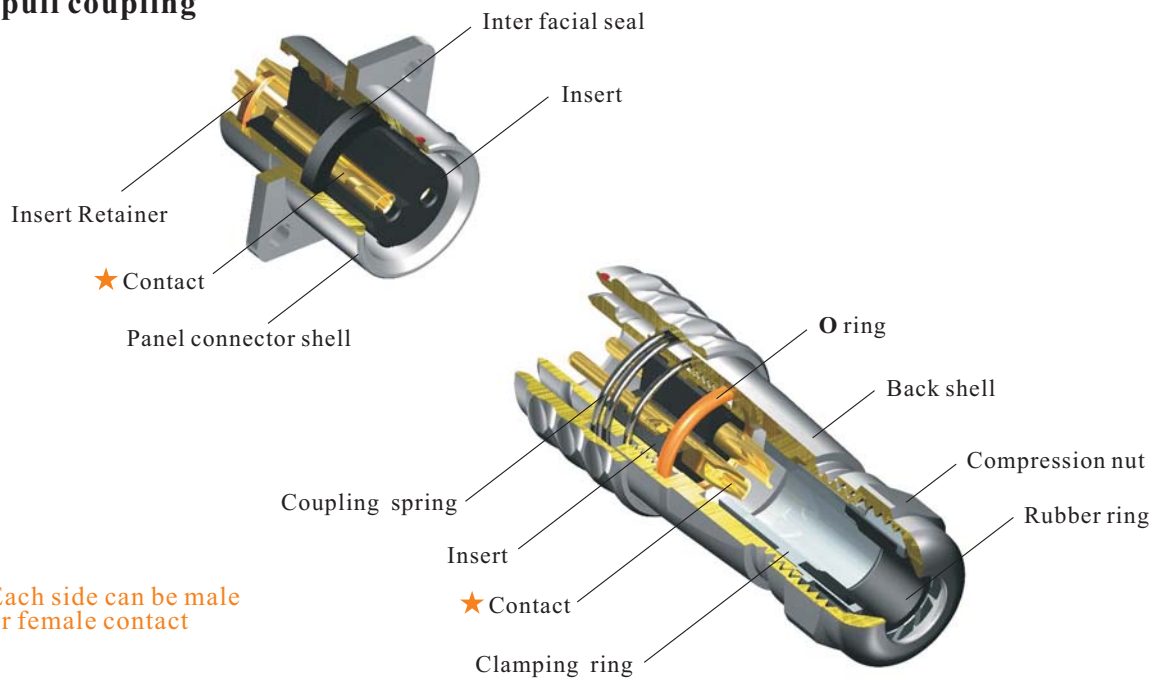


Part number	Crimping wire range
CTW-0.14/4	0.14-4mm ² AWG 25-11

IP67

02

- SF Series IP67
- Push-pull coupling



Material and spec

Coupling	Push-pull
Shell material	Brass with chrome plating
Insert material	PPS max temperature 260 °C
Contact material	Brass with gold plating
Termination	Solder: SF6, SF8, SF10, SF12, SF16, SF20, SF24 Crimp: SF16, SF20, SF24 Screw: SF20, SF24 (Ø2.5mm contact)
Cable outer diameter range	SF6: I: 2-3mm, II: 3-4mm (omit) SF8: I: 3-4mm, II: 4-5mm (omit) SF10: I: 3-4mm, II: 4-6.5mm (omit) SF12: I: 4-6.5mm (omit), II: 5-8mm SF16: I: 5-8mm (omit), II: 8-12mm SF20: I: 5-9mm, II: 8-12mm (omit)
IP rating	IP67
Mating cycle	500
Temperature range	-40 °C ~ +85 °C
Insulation resistance	2000 MΩ

SF6 Series

SF
6**Cable connector**Mate with SF611B, SF612B,
SF615B

SF610B/P__

SF610B/S__

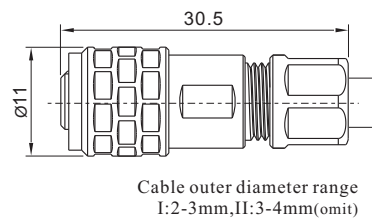
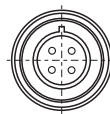
Male contact

Cable outer diameter range

I: 2-3mm, II: 3-4mm (omit)

Number of contact

Female contact

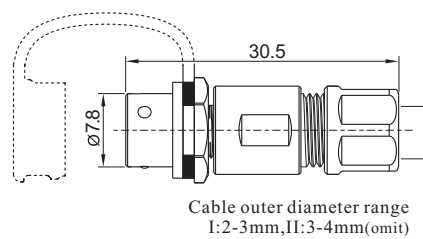
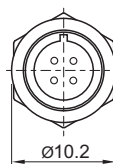
Cable outer diameter range
I: 2-3mm, II: 3-4mm (omit)

SF611B/P__

SF611B/S__

In-line cable connector

Mate with SF610B

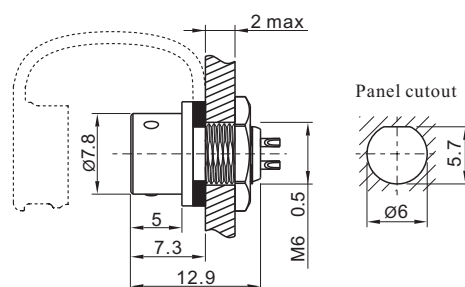
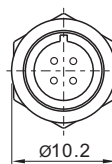
Cable outer diameter range
I: 2-3mm, II: 3-4mm (omit)

SF612B/P__

SF612B/S__

Rear-nut mount

Mate with SF610B



Panel cutout

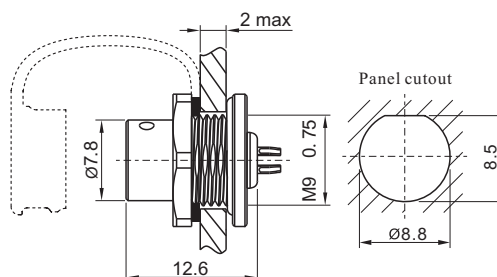
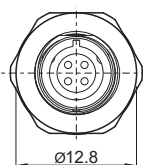


SF615B/P__

SF615B/S__

Front-nut mount

Mate with SF610B



Panel cutout

Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter(mm)	Ø0.6 2	Ø0.6 3	Ø0.6 4	Ø0.6 5
Rated voltage (AC.V)	30	30	30	30
Test voltage(AC.V) 1 min	500	500	500	500
Contact resistance(mΩ)	10	10	10	10
Wire size(mm²/AWG)	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20	≤ 0.5/20

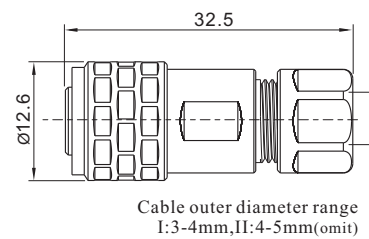
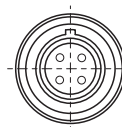
SF8 Series

SF
8**Cable connector**Mate with SF811B, SF812B,
SF815B

SF810B/P

SF810B/S

Male contact

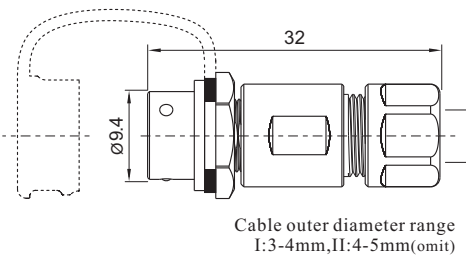
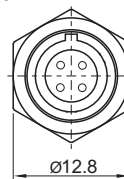
Cable outer diameter range
I: 3-4mm, II: 4-5mm(omit)
Number of contact
Female contact

SF811B/P

SF811B/S

In-line cable connector

Mate with SF810B

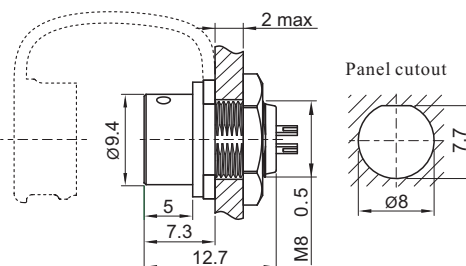
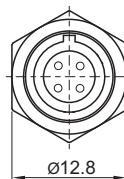


SF812B/P

SF812B/S

Rear-nut mount

Mate with SF810B

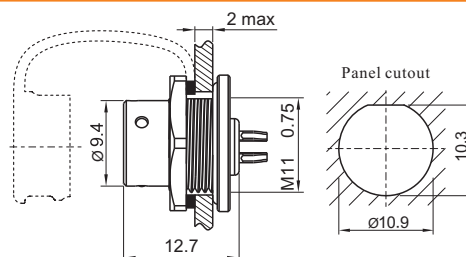
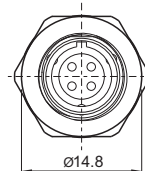


SF815B/P

SF815B/S

Front-nut mount

Mate with SF810B

**Solder contact spec**

Number of contact	2	3	4	6	8
Male contact face view					
Rated current (A)	5	5	3	3	3
Contact diameter(mm)	Ø1×2	Ø1×3	Ø0.6×4	Ø0.6×6	Ø0.6×8
Rated voltage (AC.V)	125	125	30	30	30
Test voltage(AC.V) 1 min	1000	1000	500	500	500
Contact resistance(mΩ)	5	5	10	10	10
Wire size(mm ² /AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20	≤0.5/20

SF10 Series



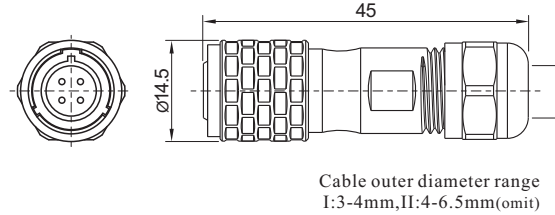
SF1010 / P

SF1010 / S

Male contact

Cable connector
Mate with SF1011, SF1012,
SF1015

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



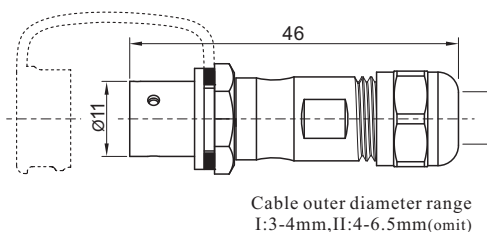
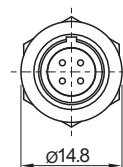
Cable outer diameter range
I: 3-4mm, II: 4-6.5mm(omit)



SF1011 / P

SF1011 / S

In-line cable connector
Mate with SF1010



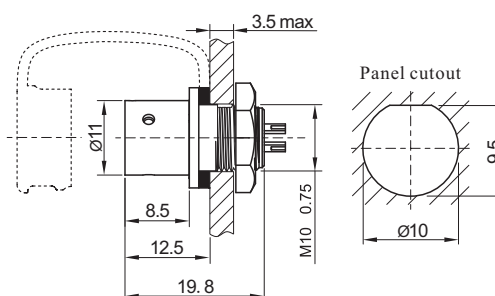
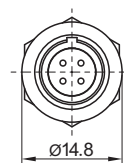
Cable outer diameter range
I: 3-4mm, II: 4-6.5mm(omit)



SF1012 / P

SF1012 / S

Rear-nut mount
Mate with SF1010



Panel cutout

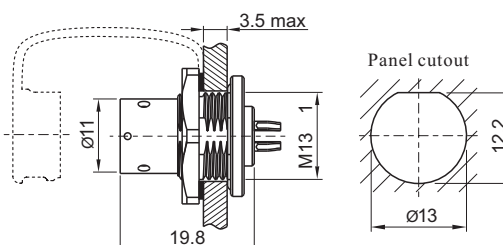
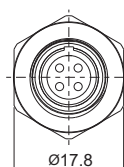
Ø10



SF1015 / P

SF1015 / S

Front-nut mount
Mate with SF1010



Panel cutout

Ø13

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

SF12 Series

**SF
12**

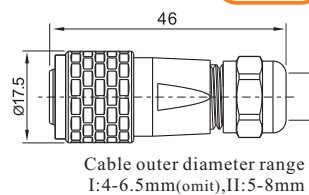
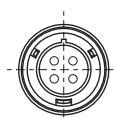


Cable connector
Mate with SF1211, SF1212,
SF1213, SF1215

SF1210 / P — Male contact

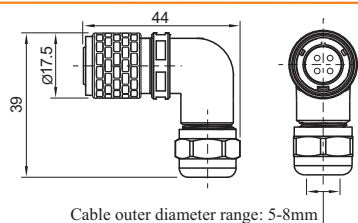
SF1210 / S — Female contact

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



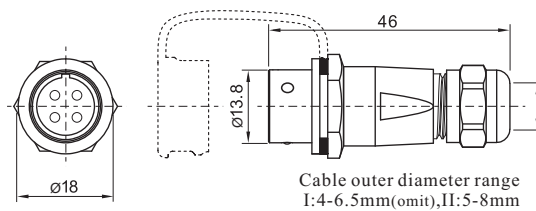
SF1214 / P II SF1214 / S II

Angled cable connector
Mate with SF1211, SF1212, SF1213, SF1215



SF1211 / P — SF1211 / S —

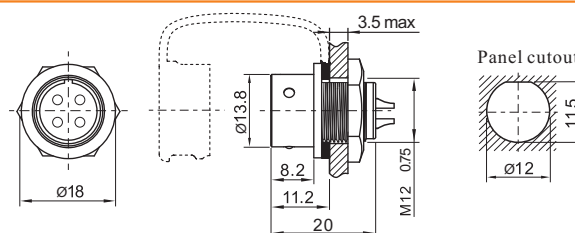
In-line cable connector
Mate with SF1210, SF1214



SF1212 / P — SF1212 / S —

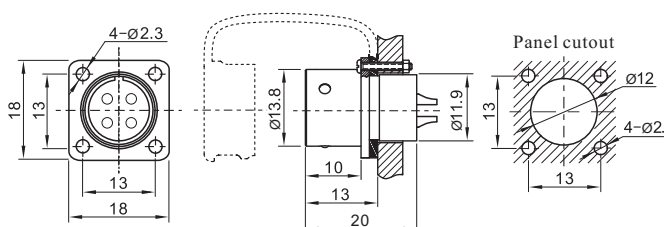
Rear-nut mount
Mate with SF1210,
SF1214

Number of contact



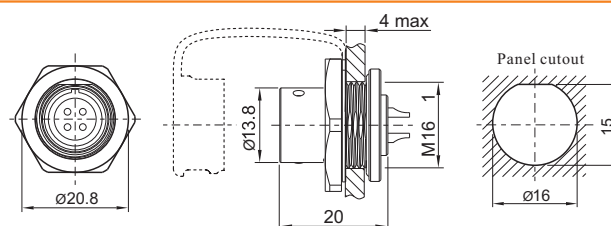
SF1213 / P — SF1213 / S —

Square flange
Mate with SF1210,
SF1214



SF1215 / P — SF1215 / S —

Front-nut mount
Mate with SF1210,
SF1214



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

SF12 Series

**SF
12**

02



Cable connector

Mate with SF1211, SF1212, SF1213

SF1210 / P

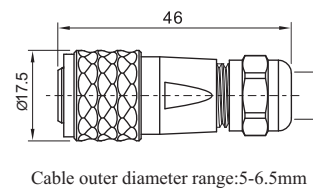
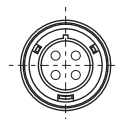
SF1210 / S

Male contact

(U):

Number of contact

Female contact



Cable outer diameter range: 5-6.5mm



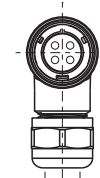
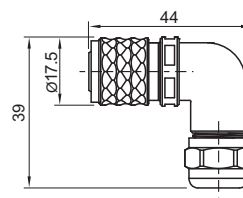
Angled cable connector

Mate with SF1211, SF1212, SF1213

SF1214 / P II

SF1214 / S II

(U):



Cable outer diameter range: 5-8mm

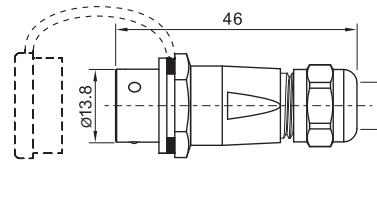
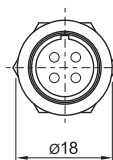


In-line cable connector

Mate with SF1210, SF1214

SF1211 / P

SF1211 / S



Cable outer diameter range: 4-6.5mm



Rear-nut mount

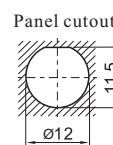
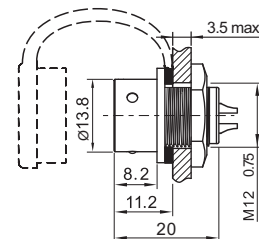
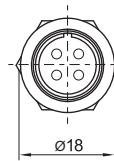
Mate with SF1210, SF1214

SF1212 / P

SF1212 / S

(U):

Number of contact

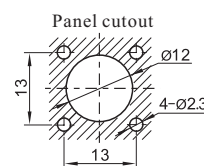
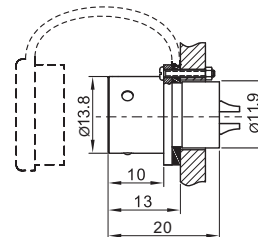
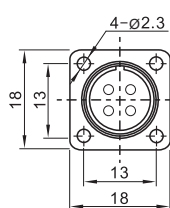


Square flange

Mate with SF1210, SF1214

SF1213 / P

SF1213 / S



Solder contact spec

Number of contact	4	5	6	7
Male contact face view				
Rated current (A)	5	5	5	5
Contact diameter(mm)	Ø1X4	Ø1X5	Ø1X6	Ø1X7
Rated voltage (AC.V)	300	300	300	300
Test voltage(AC.V) 1 min	1500	1000	1000	1000
Contact resistance(mΩ)	5	5	5	5
Wire size(mm²/AWG)	18	18	18	18

SF16 Series

**SF
16**



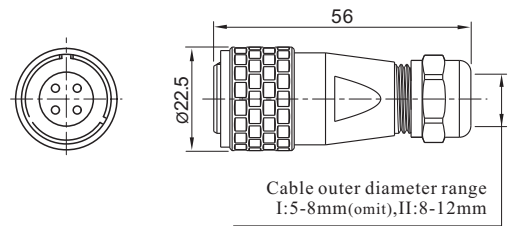
Cable connector

Mate with SF1611, SF1612,
SF1613, SF1615

SF1610 / P _ _ _ SF1610 / S _ _ _

Male contact

1: solder(omit), 3: crimp
Cable outer diameter
I: 5-8mm(omit), II: 8-12mm
Number of contact
Female contact



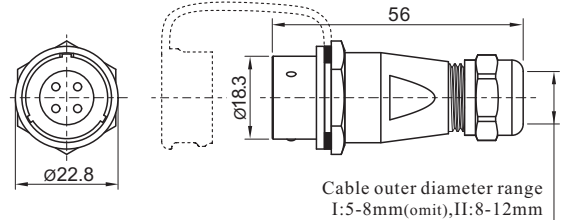
Cable outer diameter range
I: 5-8mm(omit), II: 8-12mm



In-line cable connector

Mate with SF1610

SF1611 / P _ _ _ SF1611 / S _ _ _



Cable outer diameter range
I: 5-8mm(omit), II: 8-12mm

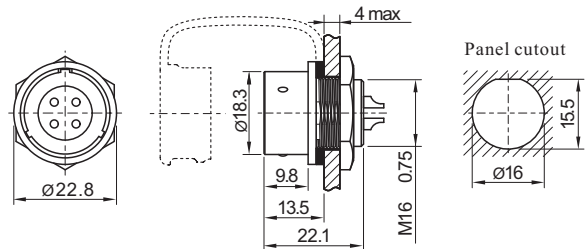


Rear-nut mount

Mate with SF1610

SF1612 / P _ _ _ SF1612 / S _ _ _

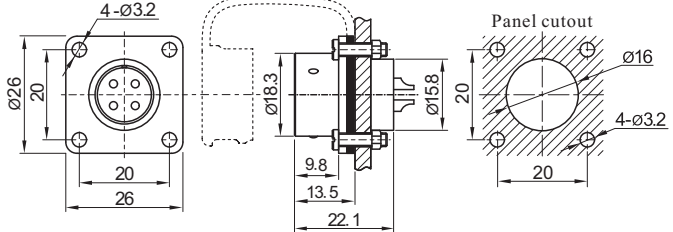
1: solder(omit), 3: crimp
Number of contact



Square flange

Mate with SF1610

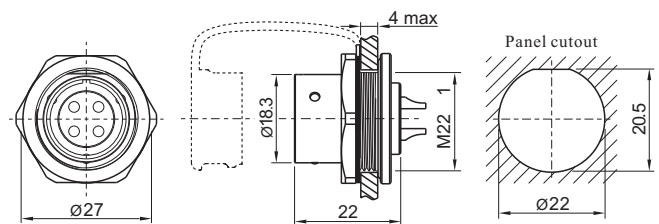
SF1613 / P _ _ _ SF1613 / S _ _ _



Front-nut mount

Mate with SF1610

SF1615 / P _ _ _ SF1615 / S _ _ _



Solder contact spec

★ Crimp contact spec see P20

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

SF20 Series

**SF
20**



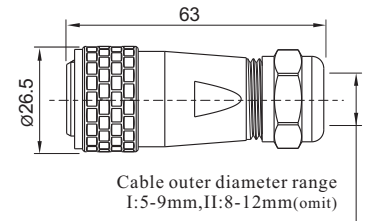
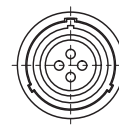
Cable connector
Mate with SF2011, SF2012,
SF2013, SF2015

SF2010/P____ SF2010/S____

Male contact

1: solder(omit), 2: screw, 3: crimp

Cable outer diameter range
I: 5-9mm, II: 8-12mm(omit)
Number of contact
Female contact

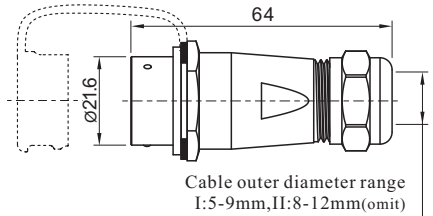


Cable outer diameter range
I: 5-9mm, II: 8-12mm(omit)



SF2011/P____ SF2011/S____

In-line cable connector
Mate with SF2010



Cable outer diameter range
I: 5-9mm, II: 8-12mm(omit)

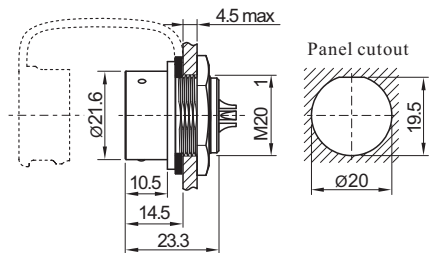
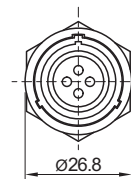


SF2012/P____ SF2012/S____

Rear-nut mount
Mate with SF2010

1: solder(omit), 2: screw, 3: crimp

Number of contact

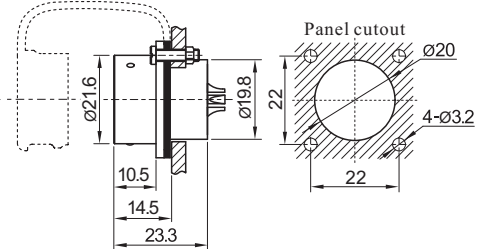
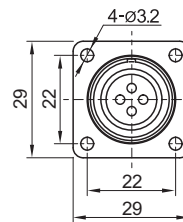


Panel cutout



SF2013/P____ SF2013/S____

Square flange
Mate with SF2010

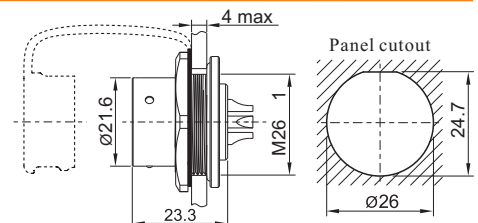
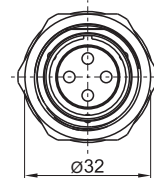


Panel cutout



SF2015/P____ SF2015/S____

Front-nut mount
Mate with SF2010



Panel cutout

Solder contact spec

★Crimp contact spec see P20

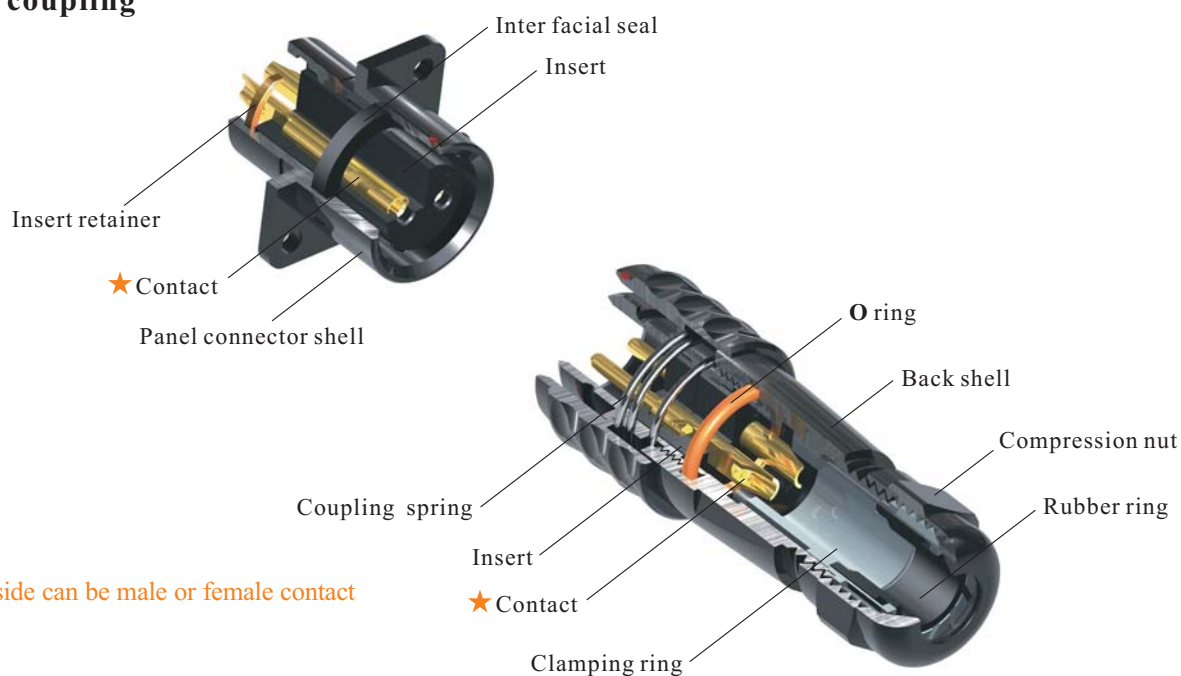
★Screw contact spec see P21

Number of contact	2	3	4	5	6	6B	7	8	9	12	15
Male contact face view											
Rated current (A)	25	25	25	10	25 5	30 5	10	10	5	5	5
Contact diameter(mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1.5X5	Ø2.5X4 Ø1X2	Ø3X2 Ø1X4	Ø1.5X7	Ø1.5X8	Ø1X9	Ø1X12	Ø1X15
Rated voltage (AC.V)	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	1200	1200	1200
Contact resistance(mΩ)	1	1	1	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size(mm ² /AWG)	≤4/11	≤4/11	≤4/11	≤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	/	/	/	/	/	/	/	/

IP67

03

- SA Series IP67
- Push-pull coupling



Material and spec

Coupling	Push-pull		
Shell material	Anodized aluminium		
Insert material	PPS, max temperature 260 °C		
Contact material	Brass with gold plating		
Termination	Solder: SA6, SA8, SA10, SA12, SA16, SA20, SA24, SA28 Crimp: SA16, SA20, SA24, SA28 Screw: SA20, SA24, SA28		
Cable outer diameter range	SA6: I:2-3mm, II:3-4mm(omit) SA8: I:3-4mm, II:4-5mm(omit) SA10: I:3-4mm, II:4-6.5mm(omit)	SA12: I:4-6.5mm(omit), II:5-8mm SA16: I:5-8mm(omit), II:8-12mm SA20: I:5-9mm, II:8-12mm(omit)	SA24:10-14mm SA28: I:9-13mm, II:13-16mm(omit)
IP rating	IP67		
Mating cycle	500		
Temperature range	-40°C ~+85°C; Signal Data: -20°C ~+70°C		
Insulation resistance	2000 MΩ		

SA6 Series



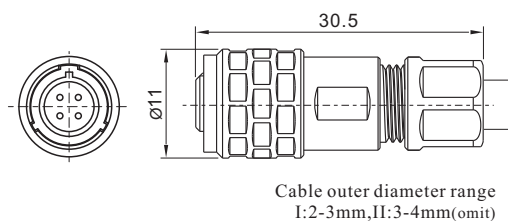
Cable connector
Mate with SA611, SA612,
SA615

SA610 / P

SA610 / S

Male contact

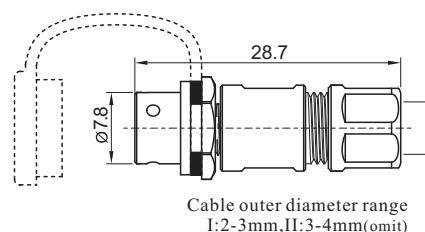
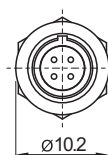
Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)
Cable outer diameter range
I: 2-3mm, II: 3-4mm(omit)
Number of contact
Female contact



SA611 / P

SA611 / S

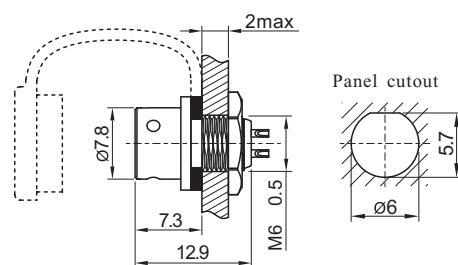
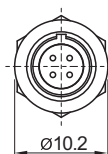
In-line cable connector
Mate with SA610



SA612 / P

SA612 / S

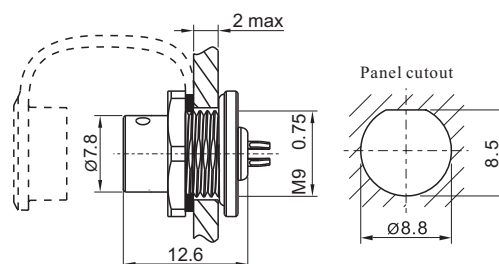
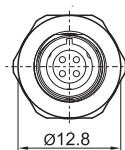
Rear-nut mount
Mate with SA610



SA615 / P

SA615 / S

Front-nut mount
Mate with SA610



Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	3	3	3	3
Contact diameter(mm)	Ø0.6 2	Ø0.6 3	Ø0.6 4	Ø0.6 5
Rated voltage (AC.V)	30	30	30	30
Test voltage(AC.V) 1 min	500	500	500	500
Contact resistance(mΩ)	10	10	10	10
Wire size(mm²/AWG)	≤0.5/20	≤0.5/20	≤0.5/20	≤0.5/20

SA8 Series



Cable connector
Mate with SA811, SA812,
SA815

SA810 / P

SA810 / S

Male contact

Colour:

B: Black

S: Silver

L: Blue (special order)

G: Green (special order)

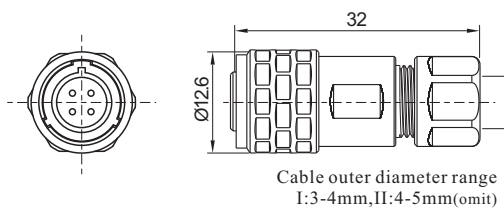
R: Red (special order)

Cable outer diameter range

I: 3-4mm, II: 4-5mm (omit)

Number of contact

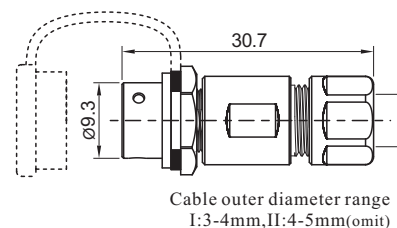
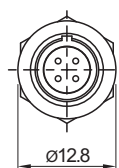
Female contact



SA811 / P

SA811 / S

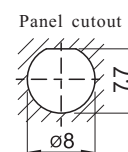
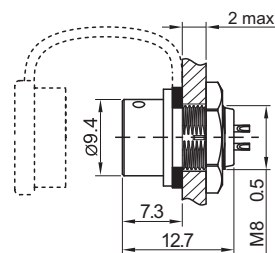
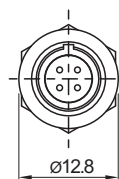
In-line cable connector
Mate with SA810



SA812 / P

SA812 / S

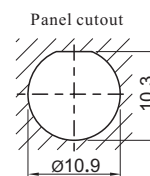
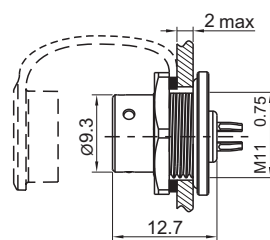
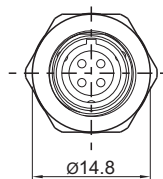
Rear-nut mount
Mate with SA810



SA815 / P

SA815 / S

Front-nut mount
Mate with SA810



Solder contact spec

Number of contact	2	3	4	6	8
Male contact face view					
Rated current (A)	5	5	3	3	3
Contact diameter(mm)	Ø1×2	Ø1×3	Ø0.6×4	Ø0.6×6	Ø0.6×8
Rated voltage (AC.V)	125	125	30	30	30
Test voltage(AC.V) 1 min	1000	1000	500	500	500
Contact resistance(mΩ)	5	5	10	10	10
Wire size(mm ² /AWG)	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20	≤0.5/20

SA10 Series



SA1010 / P — SA1010 / S

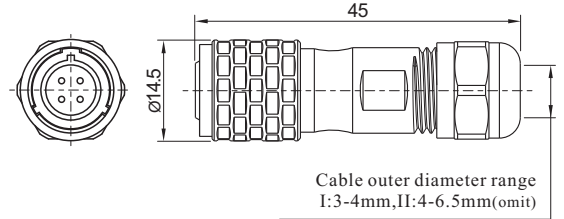
Male contact

Cable connector
Mate with SA1011, SA1012,
SA1015

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

Cable outer diameter range
I: 3-4mm, II: 4-6.5mm (omit)

Number of contact
Female contact

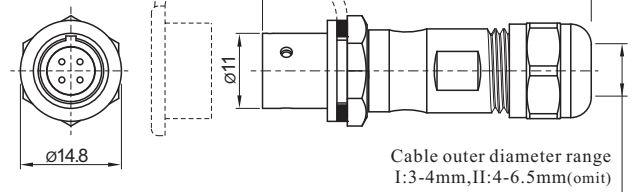


Cable outer diameter range
I: 3-4mm, II: 4-6.5mm (omit)



SA1011 / P — SA1011 / S

In-line cable connector
Mate with SA1010

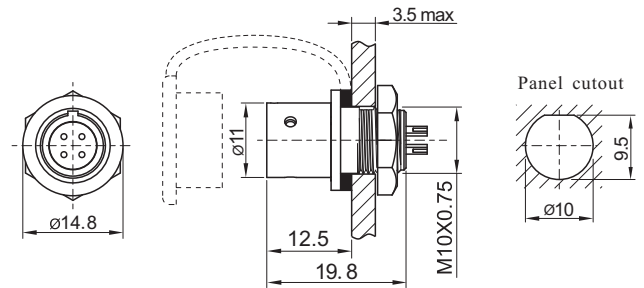


Cable outer diameter range
I: 3-4mm, II: 4-6.5mm (omit)



SA1012 / P — SA1012 / S

Rear-nut mount
Mate with SA1010

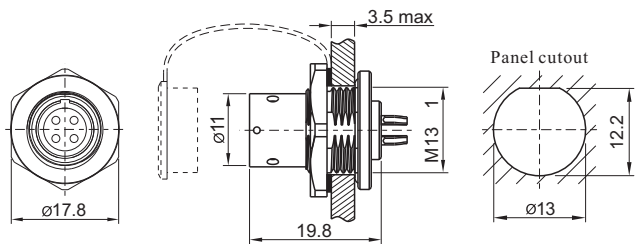


Panel cutout



SA1015 / P — SA1015 / S

Front-nut mount
Mate with SA1010



Panel cutout

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

**Cable connector**Mate with SA1211, SA1212
SA1213, SA1215

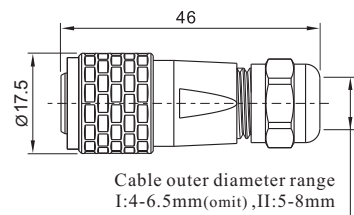
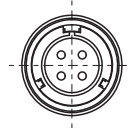
SA1210/P

SA1210/S

Male contact

Female contact

Number of contact

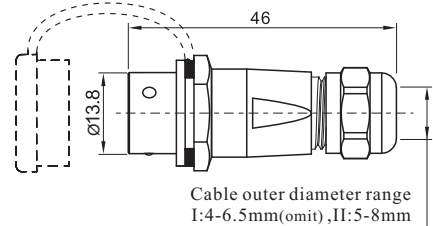
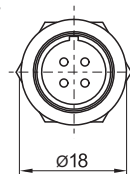
Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)Cable outer diameter
I : 4-6.5mm(omit), II : 5-8mmCable outer diameter range
I: 4-6.5mm(omit), II: 5-8mm

SA1211/P

SA1211/S

In-line cable connector

Mate with SA1210

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

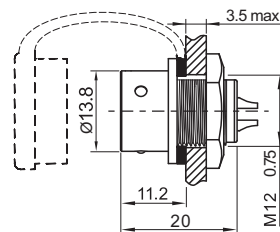
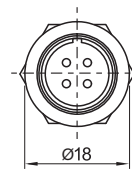
SA1212/P

SA1212/S

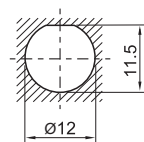
Number of contact

Rear-nut mount

Mate with SA1210

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

Panel cutout

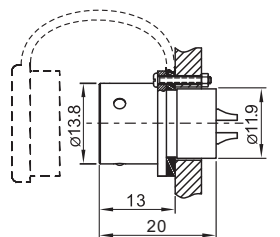
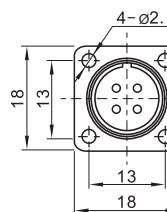


SA1213/P

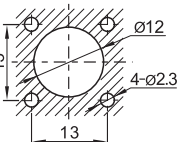
SA1213/S

Square flange

Mate with SA1210



Panel cutout

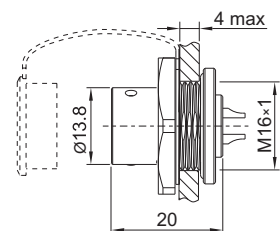
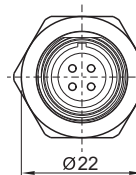


SA1215/P

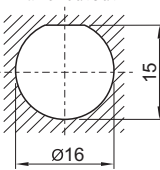
SA1215/S

Front-nut mount

Mate with SA1210



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

SA16 Series

SA
16



Cable connector

Mate with SA1611, SA1612, SA1613, SA1615

SA1610/P — — — SA1610/S — — —

Male contact

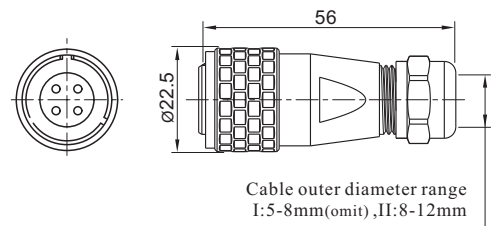
Female contact

Number of contact

Cable outer diameter
I: 5-8mm(omit), II: 8-12mm

I: solder(omit), 3: crimp

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)



Cable outer diameter range
I: 5-8mm(omit), II: 8-12mm

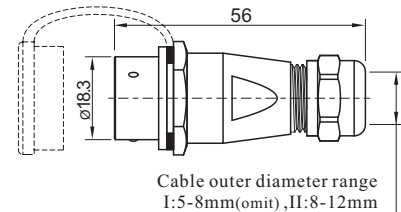
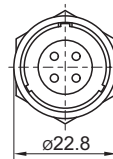
03



In-line cable connector

Mate with SA1610

SA1611/P — — — SA1611/S — — —



Cable outer diameter range
I: 5-8mm(omit), II: 8-12mm



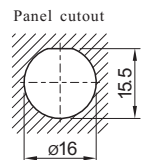
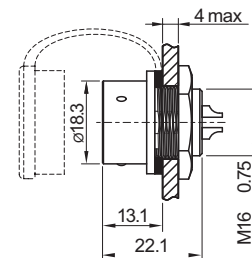
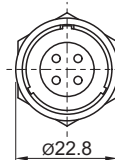
Rear-nut mount

Mate with SA1610

SA1612/P — — — SA1612/S — — —

Number of contact

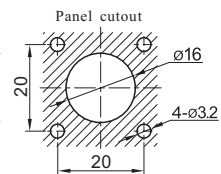
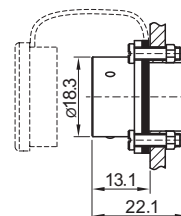
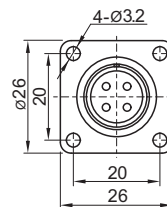
I: solder(omit), 3: crimp
Colour



Square flange

Mate with SA1610

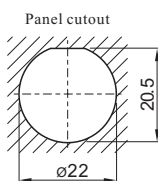
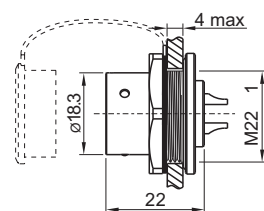
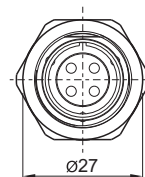
SA1613/P — — — SA1613/S — — —



Front-nut mount

Mate with SA1610

SA1615/P — — — SA1615/S — — —



Solder contact spec

★ Crimp contact spec see P20

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

SA20 Series

**SA
20**



Cable connector

Mate with SA2011, SA2012, SA2013, SA2015

SA2010/P ——— SA2010/S ———

Male contact

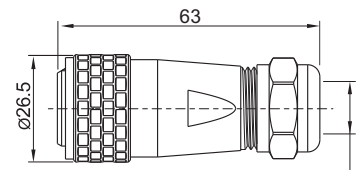
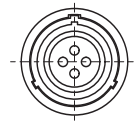
Female contact

Number of contact

1: solder(omit), 2: screw, 3: crimp

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

Cable outer diameter range
I: 5-9mm, II: 8-12mm(omit)



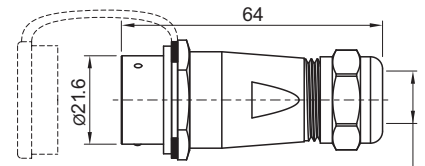
Cable outer diameter range
I: 5-9mm, II: 8-12mm(omit)



SA2011/P ——— SA2011/S ———

In-line cable connector

Mate with SA2010



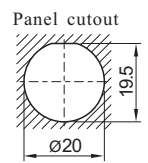
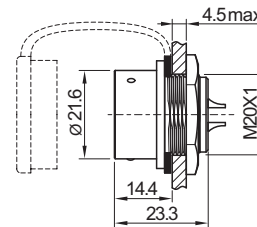
Cable outer diameter range
I: 5-9mm, II: 8-12mm(omit)



SA2012/P ——— SA2012/S ———

Rear-nut mount

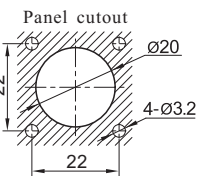
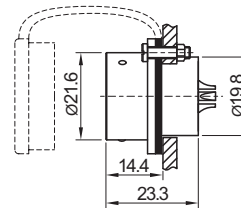
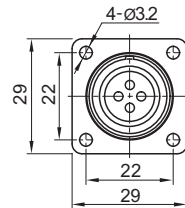
Mate with SA2010



SA2013/P ——— SA2013/S ———

Square flange

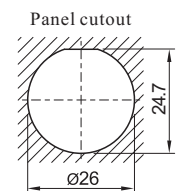
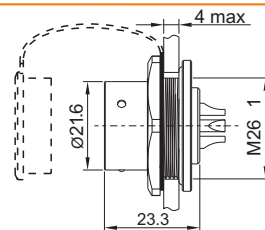
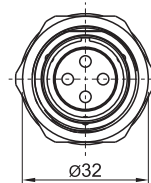
Mate with SA2010



SA2015/P ——— SA2015/S ———

Front-nut mount

Mate with SA2010



Solder contact spec

★Crimp contact spec see P20

★Screw contact spec see P21

Number of contact	2	3	4	5	6	6B	7	8	9	12	15
Male contact face view											
Rated current (A)	25	25	25	10	25 5	30 5	10	10	5	5	5
Contact diameter(mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1.5X5	Ø2.5X4 Ø1X2	Ø3X2 Ø1X4	Ø1.5X7	Ø1.5X8	Ø1X9	Ø1X12	Ø1X15
Rated voltage (AC.V)	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	1200	1200	1200
Contact resistance(mΩ)	1	1	1	2.5	1 5	1 5	2.5	2.5	5	5	5
Termination	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder	solder	solder	solder	solder
Wire size for solder (mm²/AWG)	≤4/11	≤4/11	≤4/11	≤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 (mm²/AWG)	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/

SA24 Series

**SA
24**



Cable connector

Mate with SA2411, SA2412, SA2413

SA2410/P

SA2410/S

Male contact

Female contact

Number of contact

1: solder(omit), 2: screw, 3: crimp

Colour:

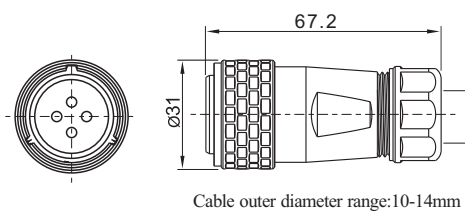
B: Black

S: Silver

L: Blue (special order)

G: Green (special order)

R: Red (special order)

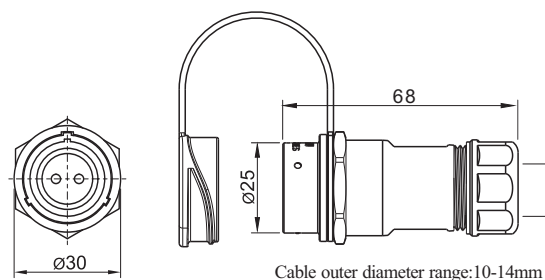


SA2411/P

SA2411/S

In-line cable connector

Mate with SA2410

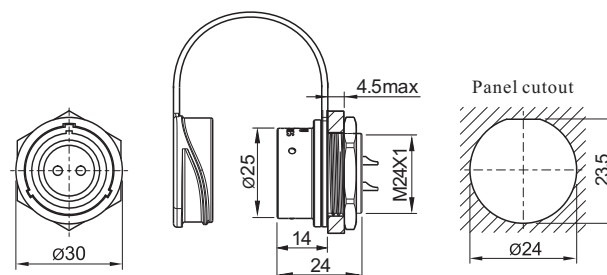


SA2412/P

SA2412/S

Rear-nut mount

Mate with SA2410

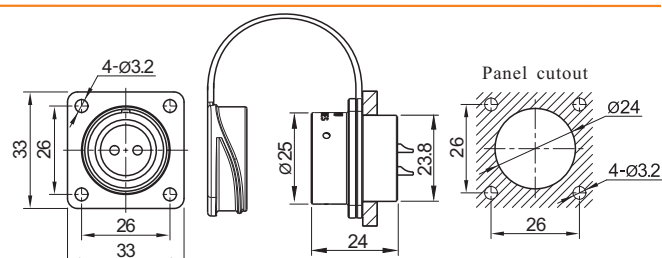


SA2413/P

SA2413/S

Square flange

Mate with SA2410



Solder contact spec

★Crimp contact spec see P20

★Screw contact spec see P21

WS24、WF24、WY24	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
Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm ² /AWG)	≤4/11	≤4/11	≤4/11	≤0.75/18 ≤4/11	≤2/14	≤2/14	≤0.75/18 ≤4/11	≤0.75/18
Wire size for screw termination (mm ² /AWG)	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/

SA28 Series

SA
28



Cable connector
Mate with SA2811, SA2812,
SA2813, SA2815

1: solder(omit), 2: screw, 3: crimp

SA2810/P

SA2810/S

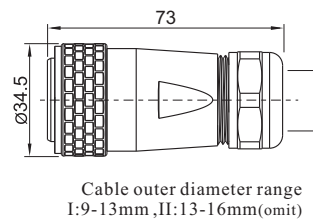
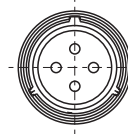
Male contact

Female contact

Number of contact

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

Cable outer diameter range
I: 9-13mm, II: 13-16mm(omit)



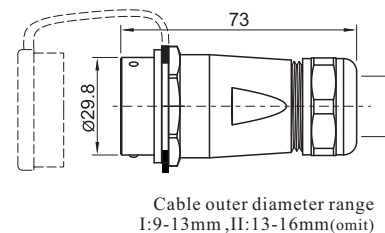
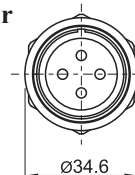
Cable outer diameter range
I: 9-13mm, II: 13-16mm(omit)



In-line cable connector
Mate with SA2810

SA2811/P

SA2811/S



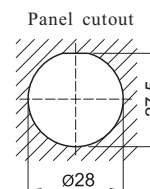
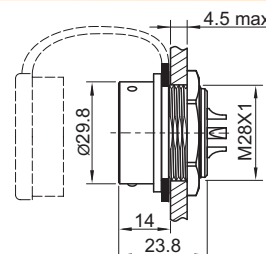
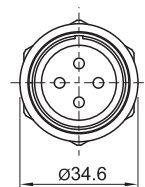
Cable outer diameter range
I: 9-13mm, II: 13-16mm(omit)



Rear-nut mount
Mate with SA2810

SA2812/P

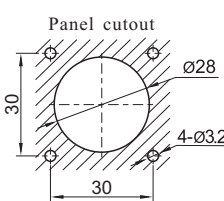
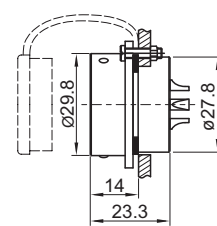
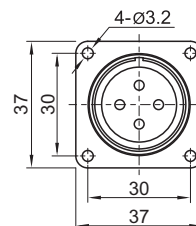
SA2812/S



Square flange
Mate with SA2810

SA2813/P

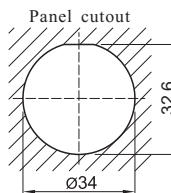
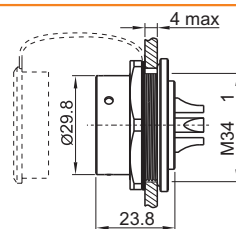
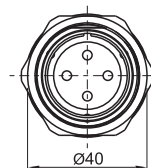
SA2813/S



Front-nut mount
Mate with SA2810

SA2815/P

SA2815/S



Solder contact spec

★Crimp contact spec see P20

★Screw contact spec see P21

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)	60, 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	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤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	/	/	/	/	/	/	/	/

SA24 Series



SA24
Signal Data

03

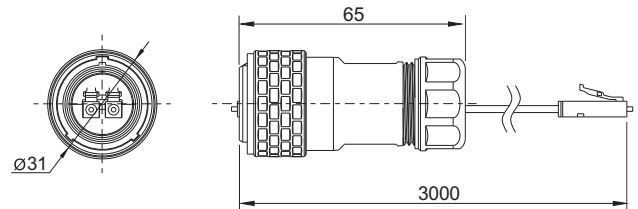


Plug with LC adapter
Mate with SA2411, SA2412, SA2413

SA2410/PLC

Wire length:
0.5m
1.0m
1.5m
2.0m
3.0m

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

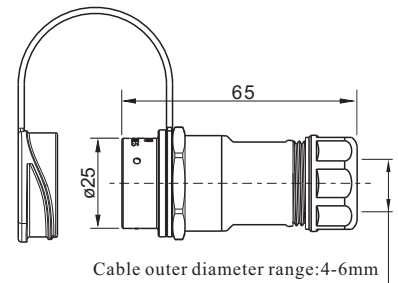
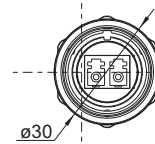


★ Wire length can be customized



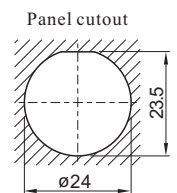
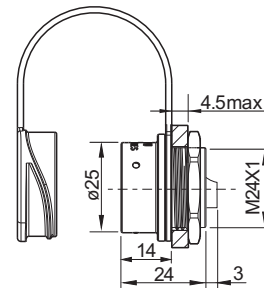
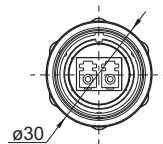
Rreceptacle with LC adapter
Mate with SA2410

SA2411/SLC



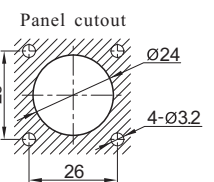
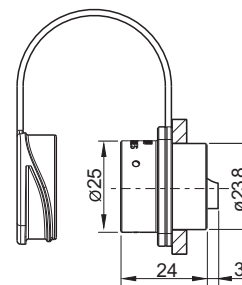
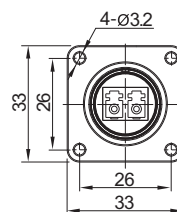
Rear-nut mount receptacle with LC adapter
Mate with SA2410

SA2412/SLC



Square flange receptacle with LC adapter
Mate with SA2410

SA2413/SLC



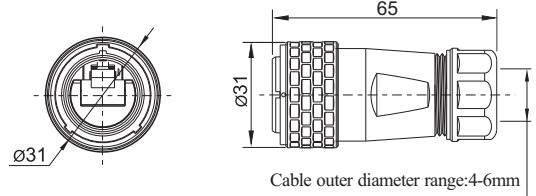
SA24 Series


SA24
Signal Data
**RJ45 Plug**

Mate with SA2411, SA2412, SA2413

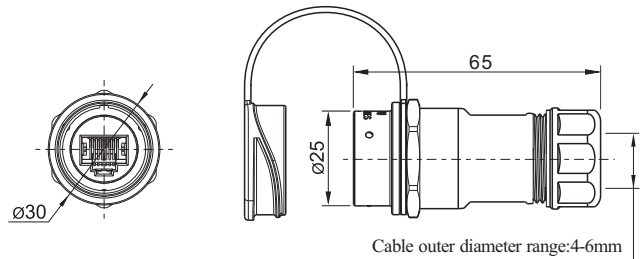
SA2410/PRJ45

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)

**RJ45 Receptacle**

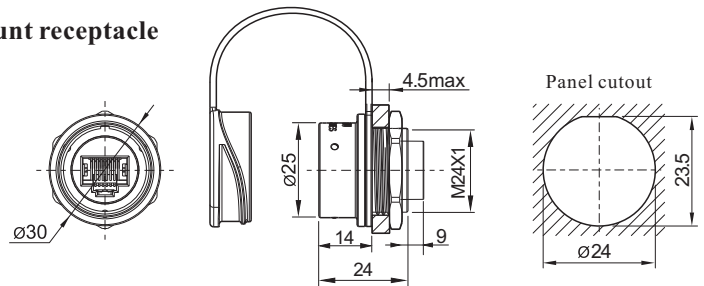
Mate with SA2410

SA2411/SRJ45

**RJ45 Rear-nut mount receptacle**

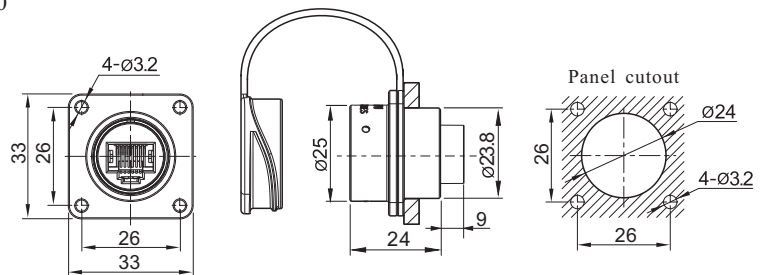
Mate with SA2410

SA2412/SRJ45

**RJ45 Square flange receptacle**

Mate with SA2410

SA2413/SRJ45





SA24 Series

SA24
Signal Data

03



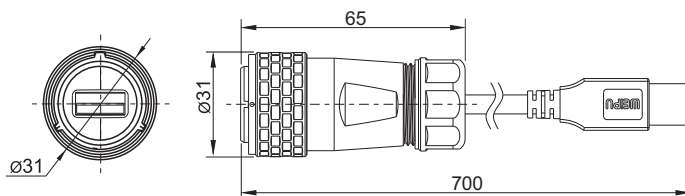
USB3.0 Plug

Mate with SA2411, SA2412, SA2413

SA2410/PUSB3.0

Wire length:
0.5m
1.0m
1.5m
2.0m
3.0m

Colour:
B: Black
S: Silver
L: Blue (special order)
G: Green (special order)
R: Red (special order)



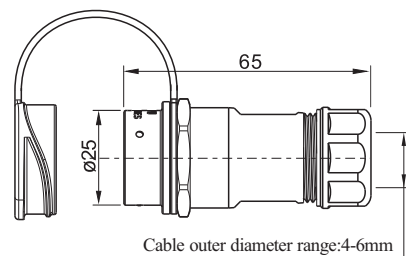
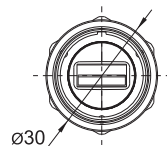
★ Wire length can be customized



USB3.0 Receptacle

Mate with SA2410

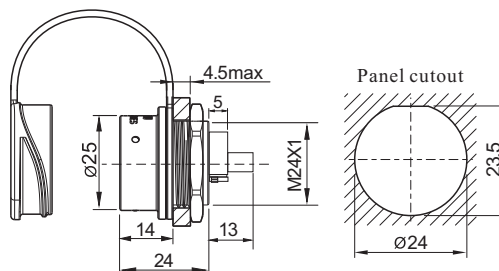
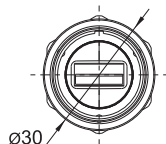
SA2411/SUSB3.0



USB3.0 Rear-nut mount receptacle

Mate with SA2410

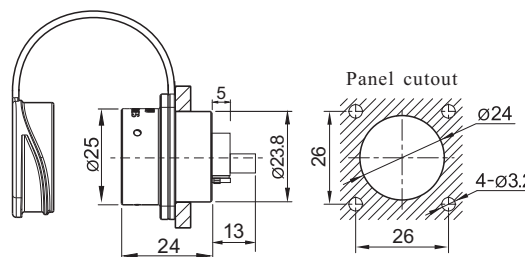
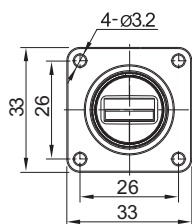
SA2412/SUSB3.0



USB3.0 Square flange receptacle

Mate with SA2410

SA2413/SUSB3.0



SA24 Series



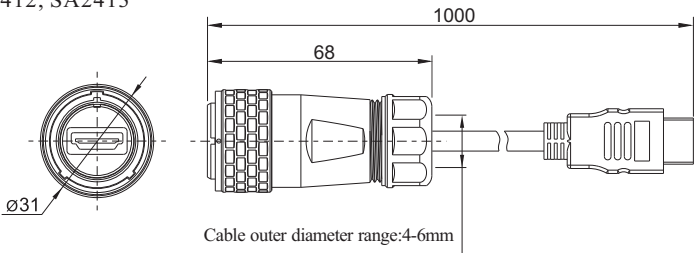
SA24
Signal Data



HDMI2.0 Plug
Mate with SA2411, SA2412, SA2413

SA2410/PHDMI2.0

- Wire length:
- 0.5m
 - 1.0m
 - 1.5m
 - 2.0m
 - 3.0m
- Colour:
- B: Black
 - S: Silver
 - L: Blue (special order)
 - G: Green (special order)
 - R: Red (special order)

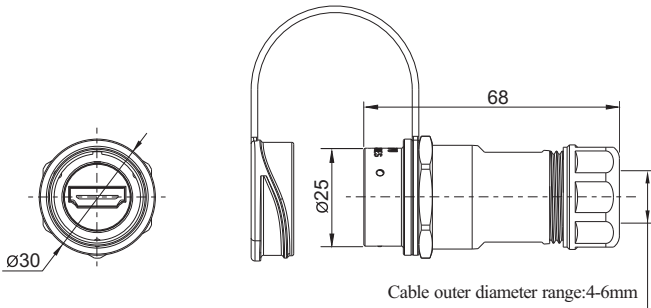


★ Wire length can be customized



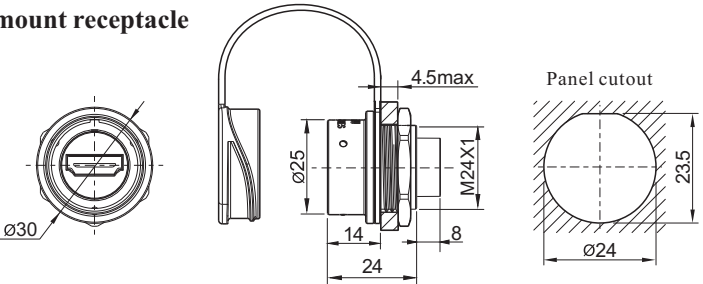
HDMI2.0 Receptacle
Mate with SA2410

SA2411/SHDMI2.0



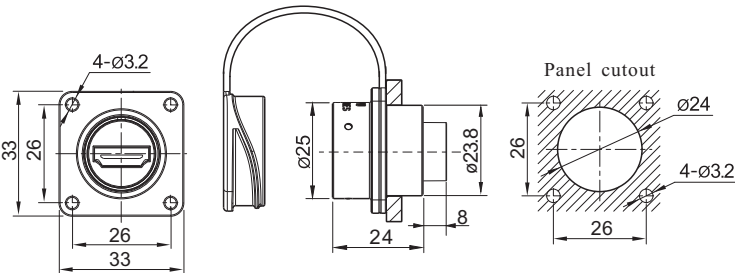
HDMI2.0 Rear-nut mount receptacle
Mate with SA2410

SA2412/SHDMI2.0



HDMI2.0 Square flange receptacle
Mate with SA2410

SA2413/SHDMI2.0

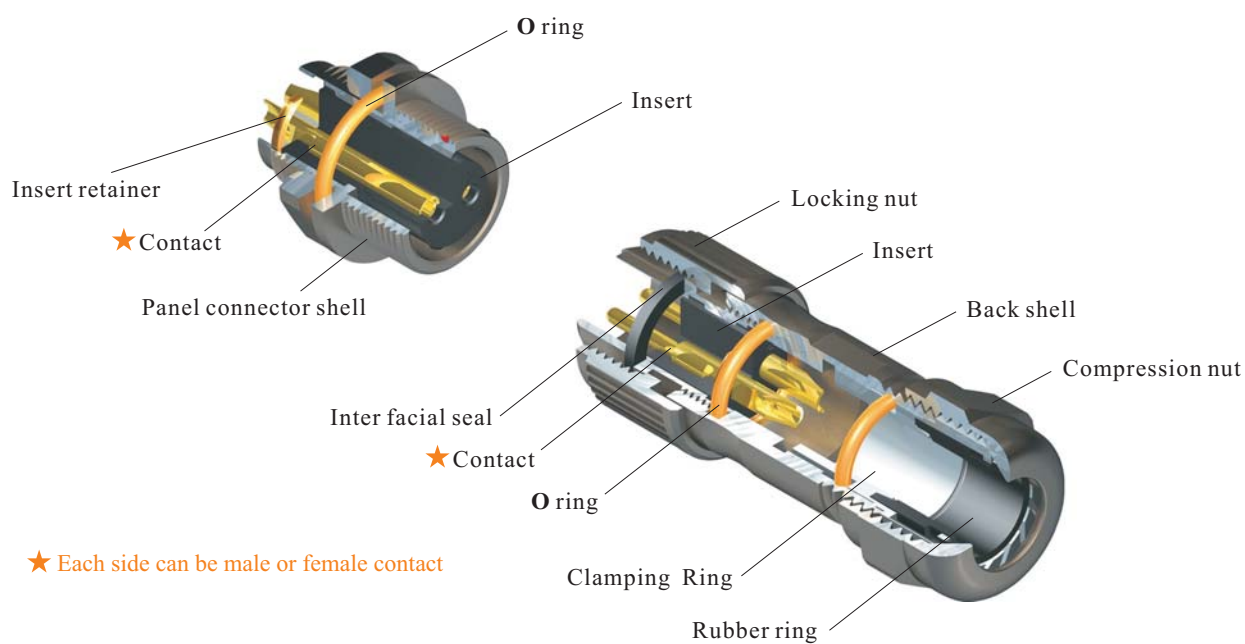




IP67



- ST12 Series IP67
- Threaded coupling



Material and spec

Coupling	Threaded coupling
Shell material	Zinc alloy with black nickel plating
Insert material	PPS, max temperature 260 °C
Contact material	Brass with gold plating
Termination	Solder
Cable outer diameter range	5-8mm
IP rating	IP67
Mating cycle	500
Temperature range	-40°C ~ +85°C
Insulation resistance	2000MΩ

ST12 Series

ST
12



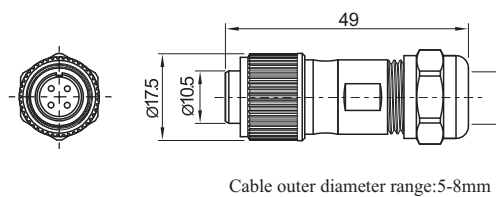
ST1210 / P—

ST1210 / S—

Male contact

Cable connector

Mate with ST1211, ST1212, ST1213, ST1214



Number of contact
Female contact

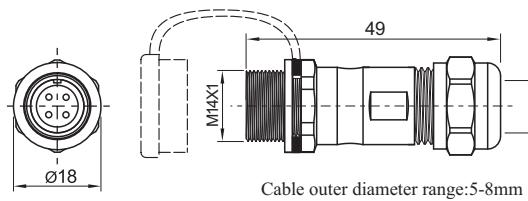


ST1211 / P—

ST1211 / S—

In-line cable connector

Mate with ST1210

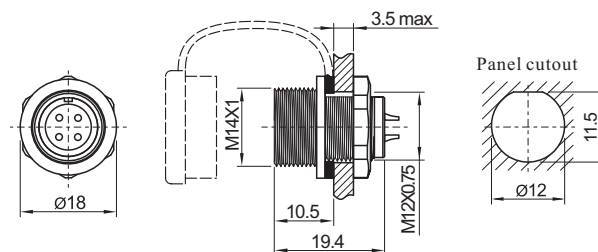


ST1212 / P—

ST1212 / S—

Rear-nut mount

Mate with ST1210



Number of contact

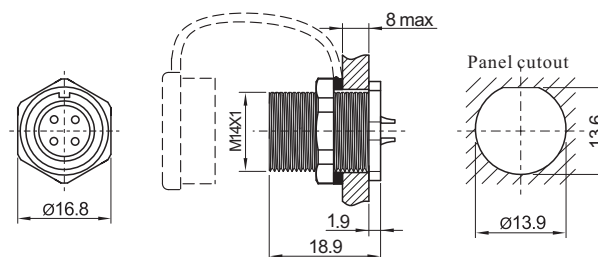


ST1213 / P—

ST1213 / S—

Front-nut mount

Mate with ST1210

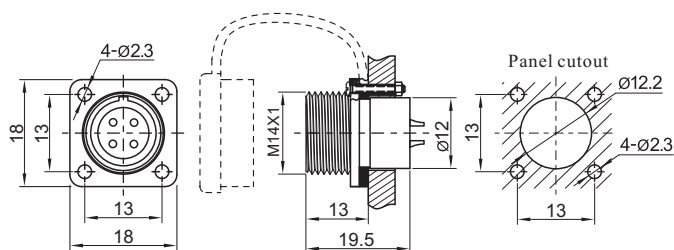


ST1214 / P—

ST1214 / S—

Square flange

Mate with ST1210



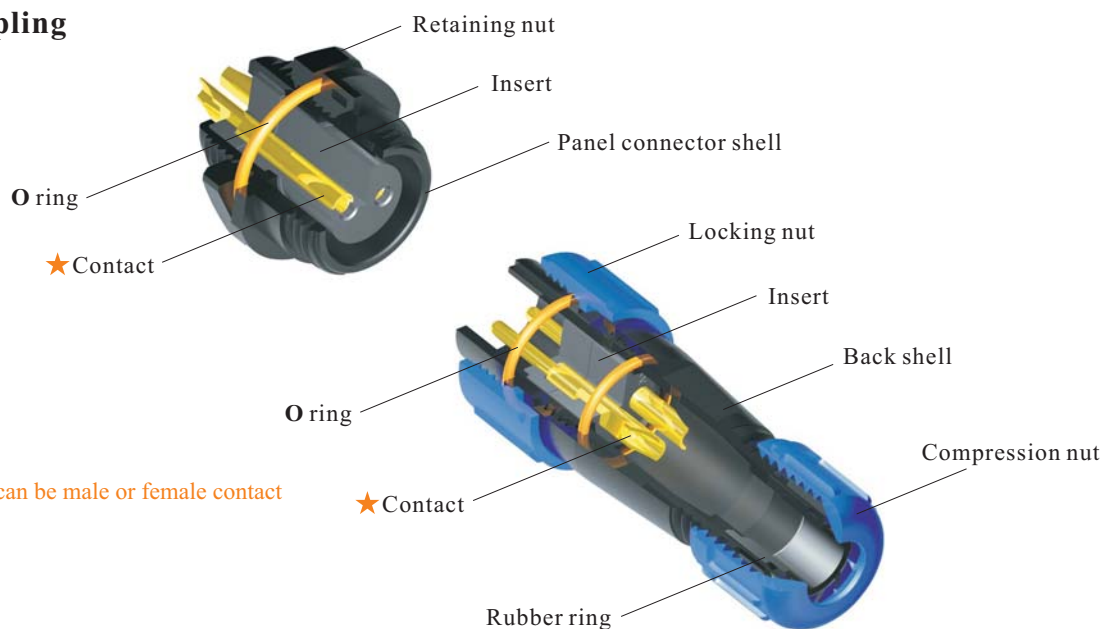
Solder contact spec

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

IP68



- SP Series IP68
- Threaded coupling



Material and spec

Coupling	Threaded
Shell material	PC, Nylon66, fire resistance: V-0
Insert material	PPS, max temperature 260 °C
Contact material	Brass with gold plating
Termination	Solder: SP 11, SP13, SP17, SP21, SP25, SP29, Crimp: SP17, SP21, SP25, SP29 Screw: SP17, SP21, SP25, SP29 (Ø2, Ø2.5, Ø3, Ø3.5mm contact)
Cable outer diameter range	SP11: I: 3-4mm, II: 4-6.5mm(omit) SP17: 6-10mm SP25: I: 10-14mm(omit), II: 7-12mm SP13: I: 4-6.5mm(omit), II: 5-8mm SP21: I: 4.5-7mm, II: 7-12mm(omit), III: 5-9mm SP29: I: 9-13mm, II: 13-16mm(omit)
IP rating	IP68
Mating cycle	500
Temperature range	-40°C ~ +85°C
Insulation resistance	2000 MΩ

SP11 Series



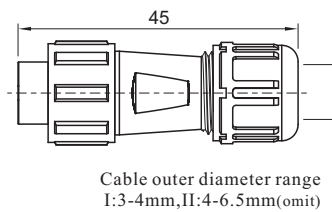
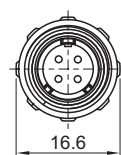
Cable connector
Mate with SP1111,
SP1111C, SP1112

SP1110/P__

SP1110/S__

Male contact

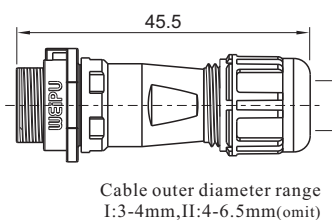
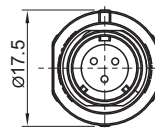
Cable outer diameter range
I: 3-4mm II: 4-6.5mm(omit)
Number of contact
Female contact



In-line cable connector C
Mate with SP1110

SP1111C/P__

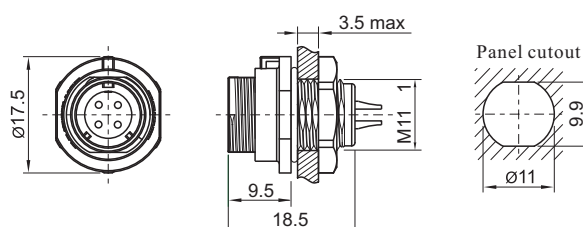
SP1111C/S__



Rear-nut mount
Mate with SP1110

SP1112/P__

SP1112/S__



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

SP11 Series

CULUS

CULUS



Cable connector

Mate with SP1111, SP1112

SP1110/P__

SP1110/S__

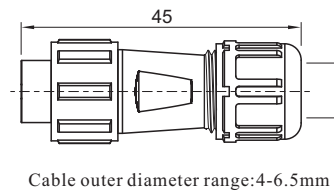
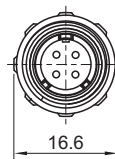
Male contact

(CU): CULUS

Colour: All black

Number of contact

Female contact



Cable outer diameter range: 4-6.5mm

CULUS

CULUS

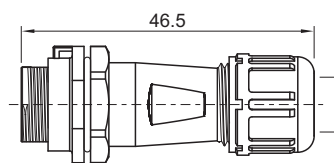
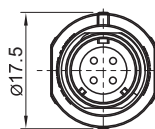


In-line cable connector

Mate with SP1110

SP1111/P__

SP1111/S__



Cable outer diameter range: 4-6.5mm

CULUS

CULUS

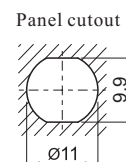
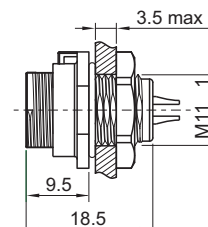
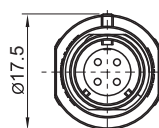


Rear-nut mount

Mate with SP1110

SP1112/P__

SP1112/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(mm²/AWG)	20	20

SP13 Series



SP1310 / P

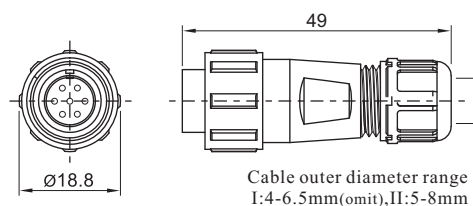
SP1310 / S

Male contact

Cable connector

Mate with SP1311,
SP1311C, SP1312

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

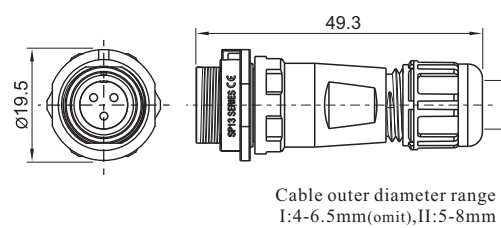


SP1311C / P

SP1311 C / S

In-line cable connector C

Mate with SP1310



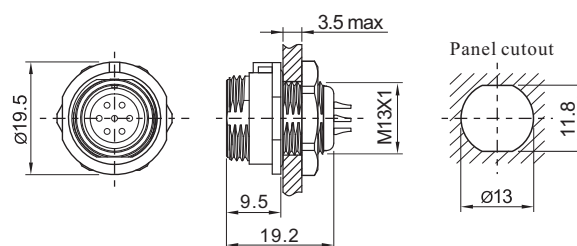
SP1312 / P

SP1312 / S

Rear-nut mount

Mate with SP1310

Number of contact

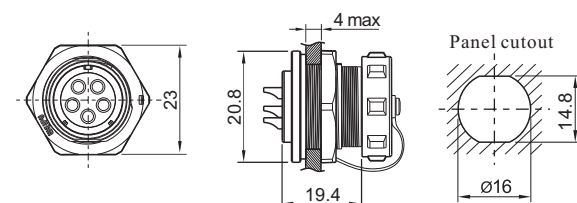


SP1315 / P

SP1315 / S

Front-nut mount

Mate with SP1310



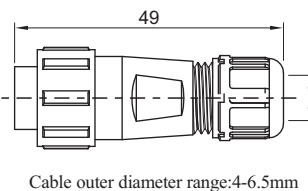
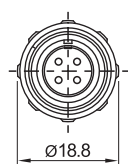
Solder contact spec

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

SP13 Series



Cable connector
Mate with SP1311, SP1312



SP1310 / P

SP1310 / S

Male contact

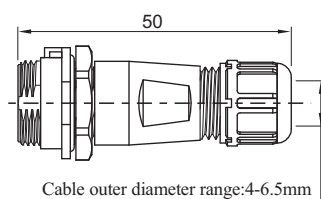
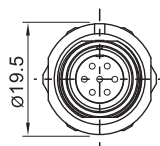
(CU): US
Colour: All black

Number of contact

Female contact



In-line cable connector
Mate with SP1310

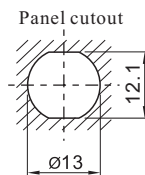
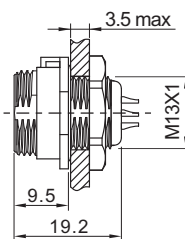
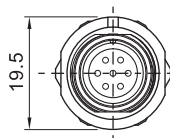


SP1311 / P

SP1311 / S



Rear-nut mount
Mate with SP1310



SP1312 / P

SP1312 / S

(CU): US

Number of contact

Solder contact spec

Number of contact	4	5	6	7	9
Male contact face view					
Rated current (A)	5	5	5	5	3
Contact diameter(mm)	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
Rated voltage (AC.V)	300	300	300	300	125
Test voltage(AC.V) 1 min	1500	1000	1000	1000	1000
Contact resistance(mΩ)	5	5	5	5	10
Wire size(mm²/AWG)	20	20	20	20	20

SP17 Series



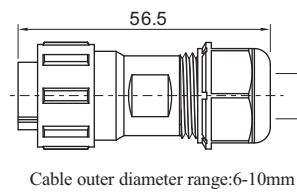
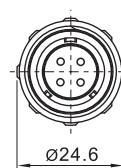
SP1710 / P _ _ _

SP1710 / S _ _ _

Male contact

Cable connector

Mate with SP1711, SP1711C, SP1712



1: solder(omit), 3: crimp
Number of contact
Female contact

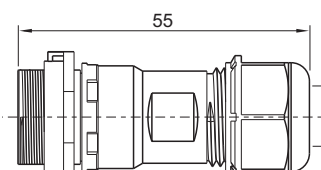
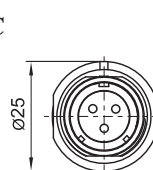


SP1711C / P _ _ _

SP1711C / S _ _ _

In-line cable connector C

Mate with SP1710



Cable outer diameter range:6-10mm

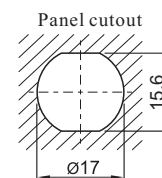
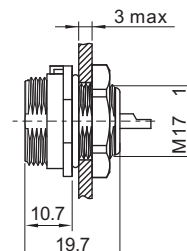
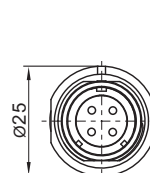


SP1712 / P _ _ _

SP1712 / S _ _ _

Rear-nut mount

Mate with SP1710



Solder contact spec

★ Crimp contact spec see P20

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

SP17 Series

NEW

SP
17



Plug with horizontal mount screw

Mate with SP1711, SP1712

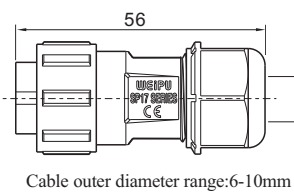
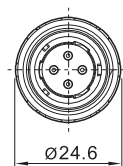
SP1710 / P__-9

SP1710 / S__-9

Male contact

Number of contact

Female contact

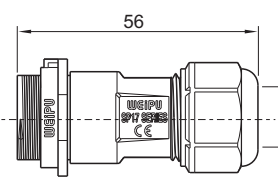
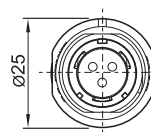


Connector with horizontal mount screw

Mate with SP1710

SP1711 / P__-9

SP1711 / S__-9

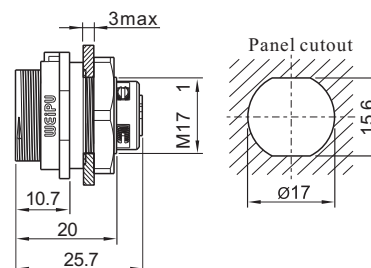
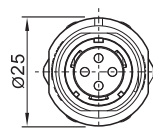


Rear-nut mount receptacle with horizontal mount screw

Mate with SP1710

SP1712 / P__-9

SP1712 / S__-9



Screw contact spec

Number of contact	2B	3B	4B
Male contact face view			
Rated current (A)	15	15	15
Contact diameter(mm)	Ø2X2	Ø2X3	Ø2X4
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance(mΩ)	2.5	2.5	2.5
Wire size(mm²/AWG)	Min:0.75/18 ≤ Max: ≤2/14	Min:0.75/18 ≤ Max: ≤2/14	Min:0.75/18 ≤ Max: ≤2/14

SP21 Series

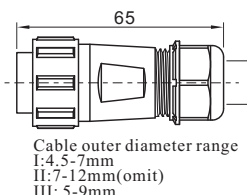
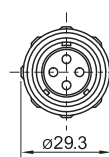
SP
21



SP2110 / P — — — SP2110 / S — — —
Male contact
Female contact

Cable connector
Mate with SP2111, SP2111C,
SP2112, SP 2113

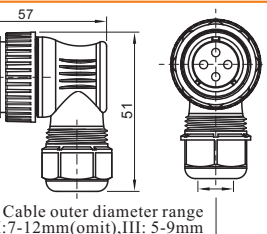
1: solder(omit), 2: screw, 3: crimp
Cable outer diameter range
I: 4.5-7mm, II: 7-12mm(omit), III: 5-9mm
Number of contact



SP2116 / P — — — SP2116 / S — — —
Number of contact

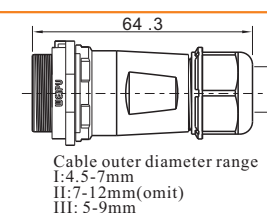
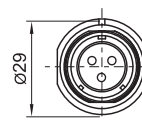
Angled cable connector
Mate with SP2111, SP2111C, SP2112, SP 2113

1: solder(omit), 2: screw, 3: crimp
Cable outer diameter range
I: 4.5-7mm, II: 7-12mm(omit), III: 5-9mm



SP2111C / P — — — SP2111C / S — — —

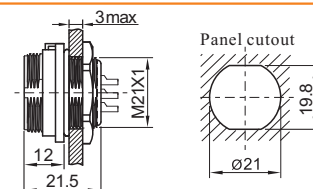
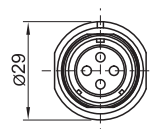
In-line cable connector C
Mate with SP2110, SP2116



SP2112 / P — — — SP2112 / S — — —
Number of contact

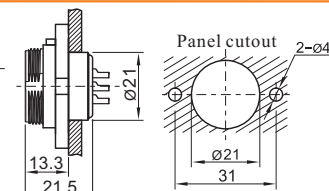
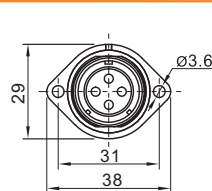
Rear-nut mount
Mate with SP2110, SP2116

1: solder(omit), 2: screw, 3: crimp



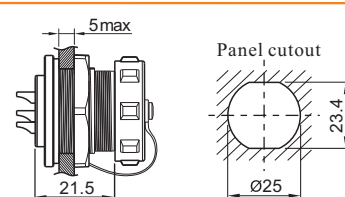
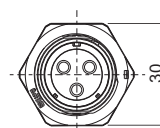
SP2113 / P — — — SP2113 / S — — —

2-hole flange
Mate with SP2110, SP2116



SP2115 / P — — — SP2115 / S — — —

Front-nut mount
Mate with SP2110, SP2116



Solder contact spec

★Crimp contact spec see P20

★Screw contact spec see P21

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	≤2/14	≤4/12 ≤0.75/18	≤4/12 ≤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	/	/	/	/	/	/	/	/	/

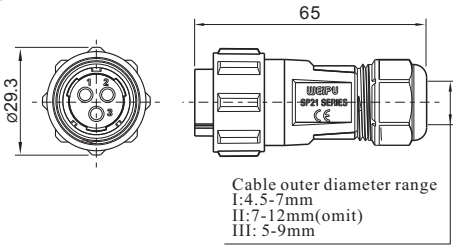
SP21 Series



SP
21



Plug with horizontal mount screw
Mate with SP2111, SP2112



SP2110 / P__-9 SP2110 / S__-9

Male contact

Female contact

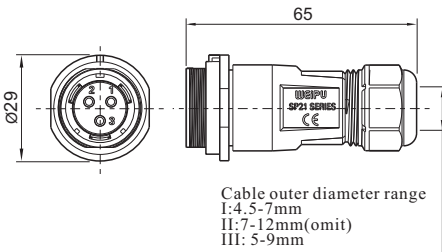
Cable outer diameter range
I: 4.5-7mm, II: 7-12mm(omit), III: 5-9mm

Number of contact

05



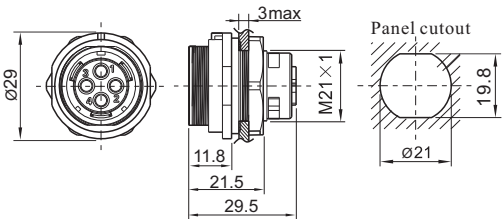
Connector with horizontal mount screw
Mate with SP2110



SP2111 / P__-9 SP2111 / S__-9



Rear-nut mount receptacle with horizontal mount screw
Mate with SP2110



SP2112 / P__-9 SP2112 / S__-9

Number of contact



Screw contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	30	30	30	30
Contact diameter(mm)	ø3X2	ø3X3	ø3X4	ø3X5
Rated voltage (AC.V)	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500
Contact resistance(mΩ)	1	1	1	1
Wire size for screw termination (mm ² /AWG)	0.75/18 ≤ Min Max ≤ 4/12	0.75/18 ≤ Min Max ≤ 4/12	0.75/18 ≤ Min Max ≤ 4/12	0.75/18 ≤ Min Max ≤ 4/12

SP21 Series

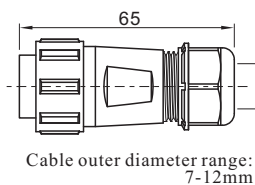
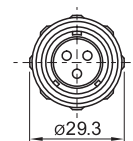
UL US

UL US



Cable connector

Mate with SP2111, SP2112, SP2113



SP2110 / P

SP2110 / S

Male contact

Female contact

(U): (CU):

Colour: All black

Number of contact

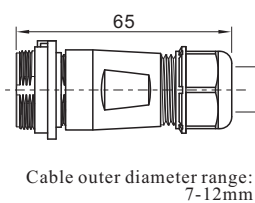
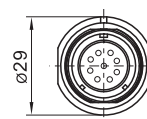
UL US

UL US



In-line cable connector

Mate with SP2110



SP2111 / P

SP2111 / S

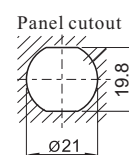
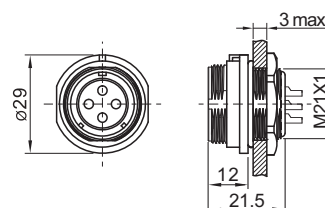
UL US

UL US



Rear-nut mount

Mate with SP2110



SP2112 / P

SP2112 / S

(U): (CU):

Number of contact

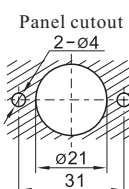
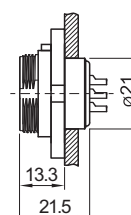
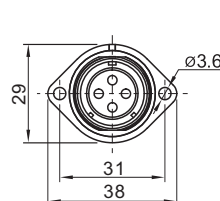
UL US

UL US



2-hole flange

Mate with SP2110



SP2113 / P

SP2113 / S

Solder contact spec

Number of contact	2	3	4	5
Male contact face view				
Rated current (A)	30 20	30 20	30 20	30 20
Contact diameter(mm)	Ø3X2	Ø3X3	Ø3X4	Ø3X5
Rated voltage (AC.V)	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500
Contact resistance(mΩ)	1	1	1	1
Termination	solder	solder	solder	solder
Wire size for solder(mm²/AWG)	12	12	12	12

SP25 Series

NEW

SP
25



SP2510 / P — — — SP2510 / S — — —

Male contact

Cable connector

Mate with SP2511, SP2511C, SP2512, SP2513

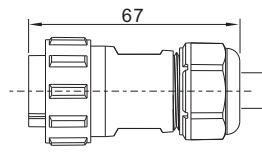
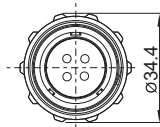
I: solder (omit), 2: screw, 3: crimp

Cable outer diameter range

I: 10-14mm (omit), II: 7-12mm

Number of contact

Female contact



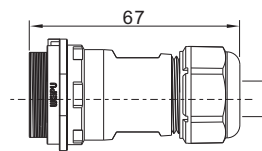
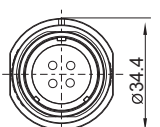
Cable outer diameter range
I: 10-14mm (omit)
II: 7-12mm



SP2511C / P — — — SP2511C / S — — —

In-line cable connector C

Mate with SP2510



Cable outer diameter range
I: 10-14mm (omit)
II: 7-12mm



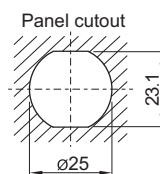
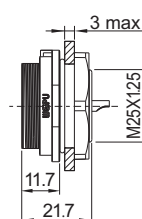
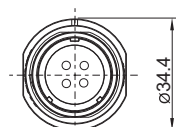
SP2512 / P — — — SP2512 / S — — —

Rear-nut mount

Mate with SP2510

I: solder (omit), 2: screw, 3: crimp

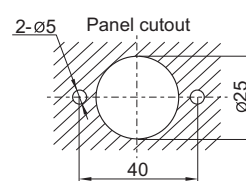
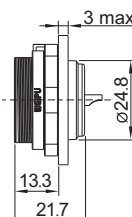
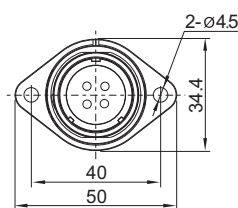
Number of contact



SP2513 / P — — — SP2513 / S — — —

2-hole flange

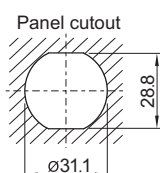
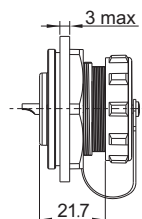
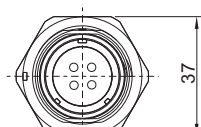
Mate with SP2510



SP2515 / P — — — SP2515 / S — — —

Front-nut mount

Mate with SP2510



Solder contact spec

★Crimp contact spec see P20

★Screw contact spec see P21

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 for solder (mm²/AWG)	≤4/11	≤4/11	≤4/11	≤0.75/18 ≤4/11	≤2/14	≤2/14	≤0.75/18 ≤4/11	≤0.75/18
Wire size for screw termination (mm²/AWG)	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/

SP29 Series

**SP
29**



SP2910 / P — — — SP2910 / S — — —

Male contact

Cable connector

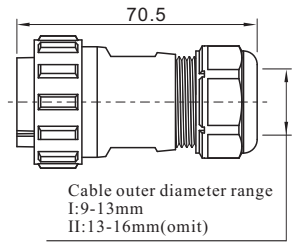
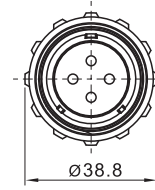
Mate with SP2911, SP2911C, SP2912, SP2913

1:solder(omit), 2:screw, 3:crimp

Cable outer diameter range
I: 9-13mm II: 13-16mm(omit)

Number of contact

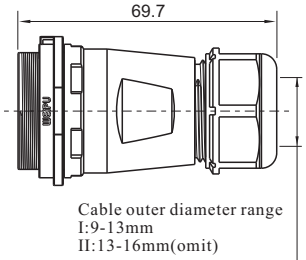
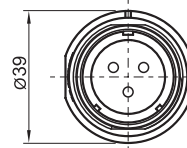
Female contact



SP2911C / P — — — SP2911C / S — — —

In-line cable connector C

Mate with SP2910



Cable outer diameter range
I: 9-13mm
II: 13-16mm(omit)



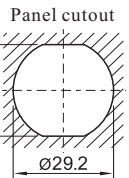
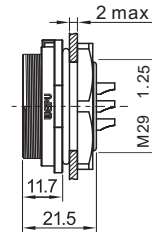
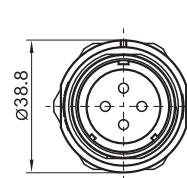
SP2912 / P — — — SP2912 / S — — —

Rear-nut mount

Mate with SP2910

1:solder(omit), 2:screw, 3:crimp

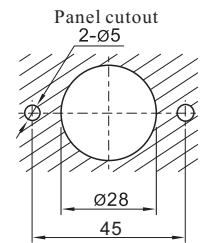
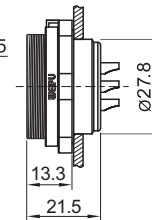
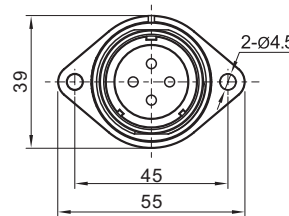
Number of contact



SP2913 / P — — — SP2913 / S — — —

2-hole flange

Mate with SP2910



Solder contact spec

★Crimp contact spec see P20

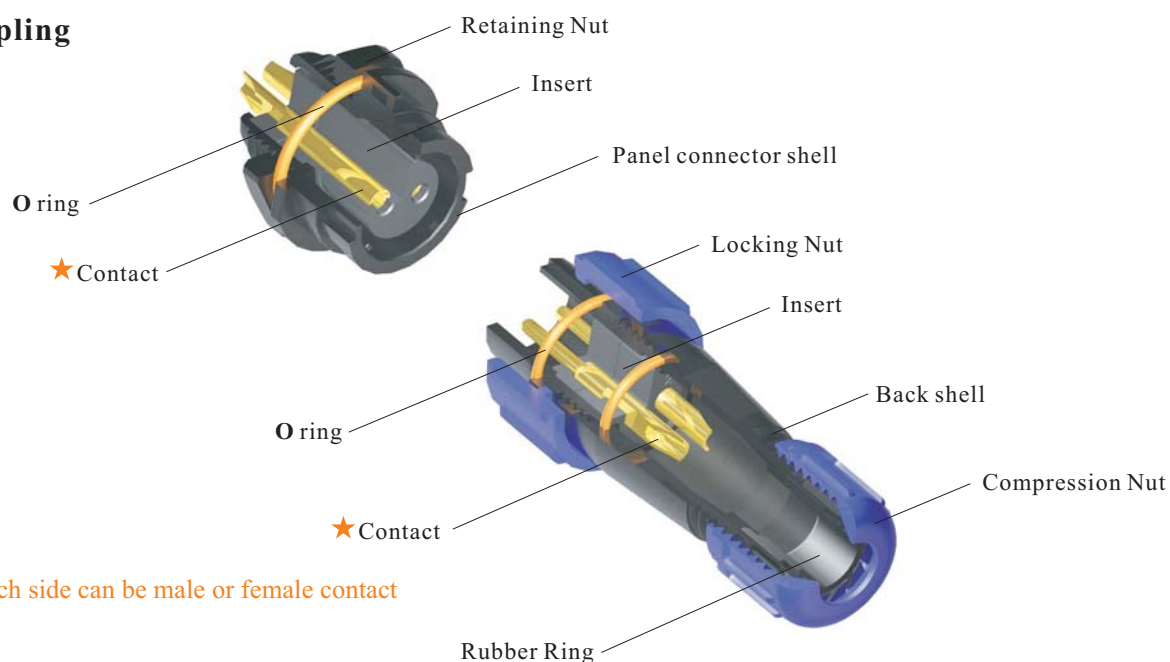
★Screw contact spec see P21

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	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/B	≤4/11 ≤0.75/B	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm ² /AWG)	≤6/10	≤6/10	≤1.515	≤1.515	≤1.515	/	/	≤1.515	/	/	/	/	/	/	/	/

IP67



- SY Series IP67
- Bayonet coupling



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 (omit) SY13: I: 4-6.5mm(omit), II: 5-8mm SY17: 6-10mm SY21:I: 4.5-7mm, II:7-12mm (omit), III:5-9mm SY25: I:10-14mm (omit) SY29:I:9-13 mm, II:13-16mm (omit)
IP rating	IP67
Mating cycle	500
Temperature range	-40℃ ~ +85℃; Signal Data: -20℃ ~ +70℃
Insulation resistance	2000 MΩ

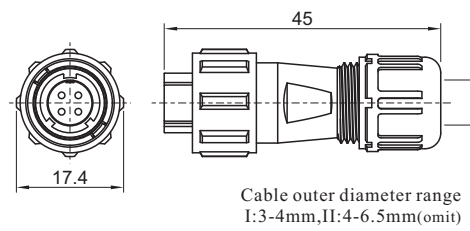
SY11 Series

**Cable connector**Mate with SY1111,
SY1111C, SY1112

SY1110 / P

SY1110 / S

Male contact

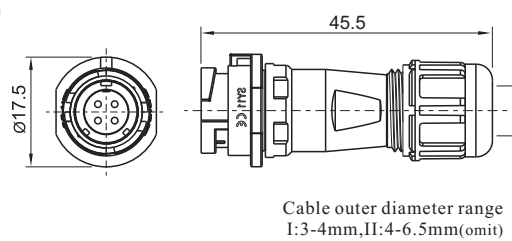
Cable outer diameter range
I: 3-4mm, II: 4-6.5mm(omit)
Number of contact
Female contact

SY1111C / P

SY1111C / S

In-line cable connector C

Mate with SY1110



SY1112 / P

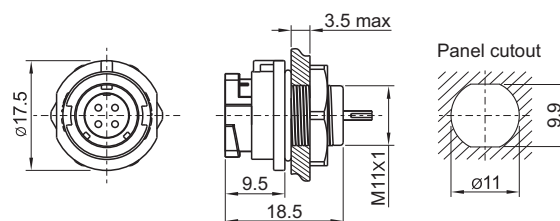
SY1112 / S

Rear-nut mount

Mate with SY1110



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



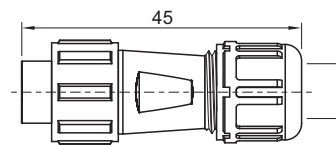
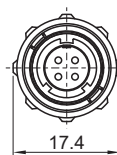
Cable connector
Mate with SY1111, SY1112

SY1110/P__

SY1110/S__

Male contact

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



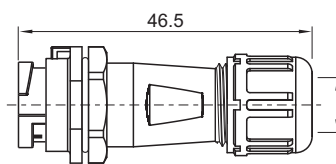
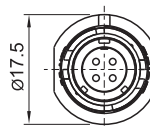
Cable outer diameter range:4-6.5



SY1111/P__

SY1111/S__

In-line cable connector
Mate with SY1110



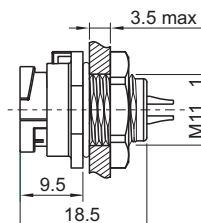
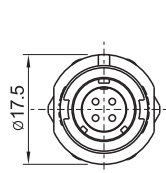
Cable outer diameter range:4-6.5



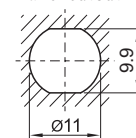
SY1112/P__

SY1112/S__

Rear-nut mount
Mate with SY1110



Panel cutout



Solder contact spec

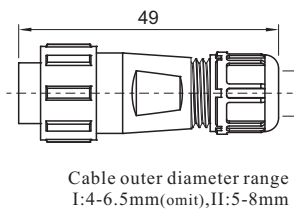
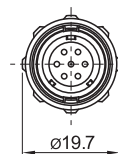
Number of contact	4	5
Male contact face view		
Rated current (A)	3	3
Contact diameter(mm)	Ø0.7X4	Ø0.7X5
Rated voltage (AC.V)	125	125
Test voltage(AC.V) 1 min	1000	1000
Contact resistance(mΩ)	10	10
Wire size(mm²/AWG)	20	20

SY13 Series

**Cable connector**Mate with SY1311,
SY1311C, SY1312

SY1310 / P — SY1310 / S

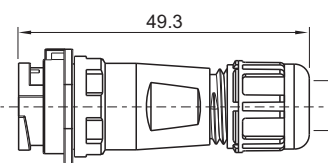
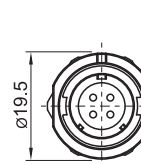
Male contact

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

SY1311C / P — SY1311C / S

In-line cable connector C

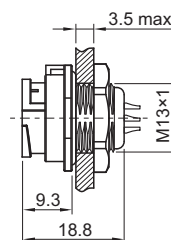
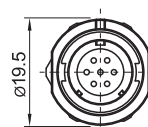
Mate with SY1310

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

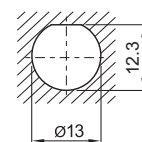
SY1312 / P — SY1312 / S

Rear-nut mount

Mate with SY1310



Panel cutout



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

SY13 Series

**Cable connector**

Mate with SY1311, SY1312

SY1310 / P _ _

SY1310 / S _ _

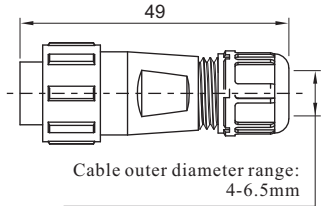
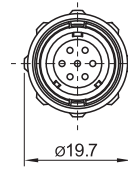
Male contact

(CU):

Colour: All black

Number of contact

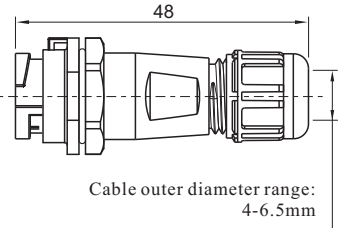
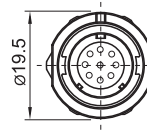
Female contact

**In-line cable connector**

Mate with SY1310

SY1311 / P _ _

SY1311 / S _ _

**Rear-nut mount**

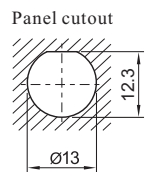
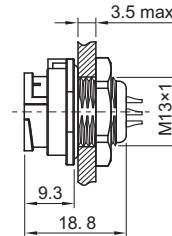
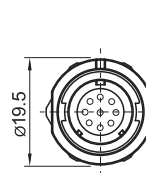
Mate with SY1310

SY1312 / P _ _

SY1312 / S _ _

(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(mm²/AWG)	20

SY17 Series



SY1710 / P _ _

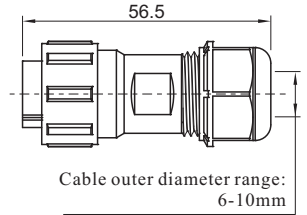
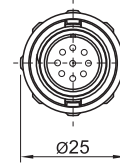
SY1710 / S _ _

Male contact

Cable connector

Mate with SY1711,
SY1711C, SY1712

1: solder(Standard), 3: crimp
Number of contact
Female contact

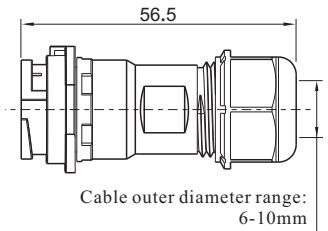
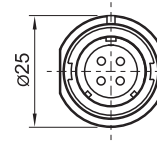


SY1711C / P _ _

SY1711C / S _ _

In-line cable connector C

Mate with SY1710

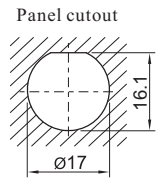
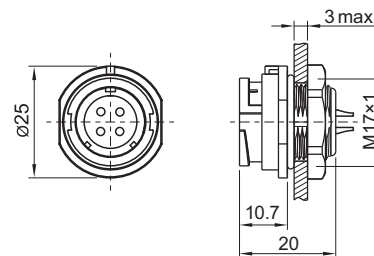


SY1712 / P _ _

SY1712 / S _ _

Rear-nut mount

Mate with SY1710



Solder contact spec

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)	≤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**



SY2110 / P — **SY2110 / S**

Male contact

Female contact

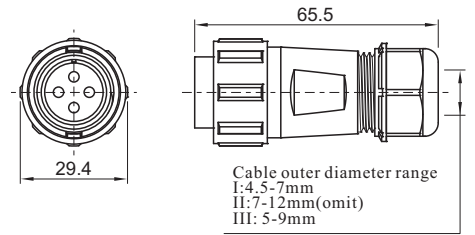
Number of contact

Cable connector

Mate with SY2111, SY2111C, SY2112, SY2113

1: solder(omit), 2: screw, 3: crimp

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



SY2116 / P — **SY2116 / S**

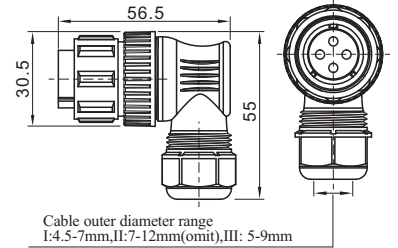
Number of contact

Angled cable connector

Mate with SY2111, SY2111C, SY2112, SY2113

1: solder(omit), 2: screw, 3: crimp

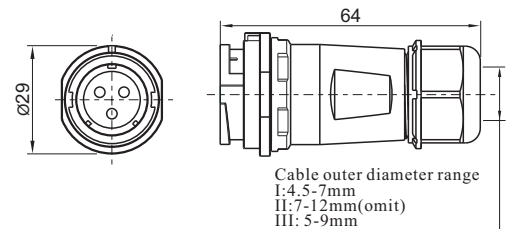
Cable outer diameter range
I: 4.5-7mm, II: 7-12mm(omit), III: 5-9mm



SY2111C / P — **SY2111C / S**

In-line cable connector C

Mate with SY2110, SY2116



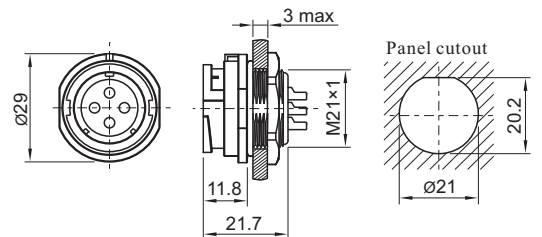
SY2112 / P — **SY2112 / S**

Number of contact

Rear-nut mount

Mate with SY2110, SY2116

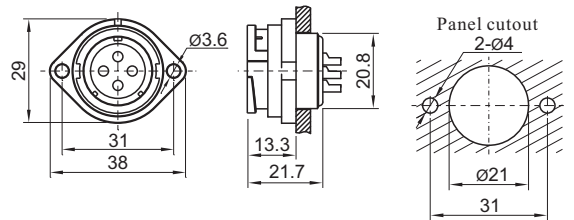
1: solder(omit), 2: screw, 3: crimp



SY2113 / P — **SY2113 / S**

2-hole flange

Mate with SY2110, SY2116



Solder contact spec

★Crimp contact spec see P20

★Screw contact spec see P21

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(mm²/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(mm²/AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/	/

SY25 Series

NEW

SY
25



SY2510/P — SY2510/S

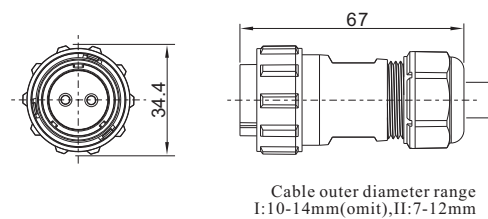
Male contact
Female contact
Number of contact

Cable connector

Mate with SY2511, SY2511C,
SY2512, SY2513

1: solder(omit), 2: screw, 3: crimp

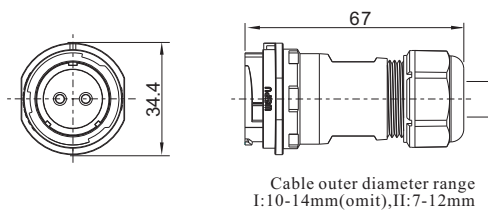
Cable outer diameter range
I: 10-14mm



SY2511C / P — SY2511C / S

In-line cable connector C

Mate with SY2510



06



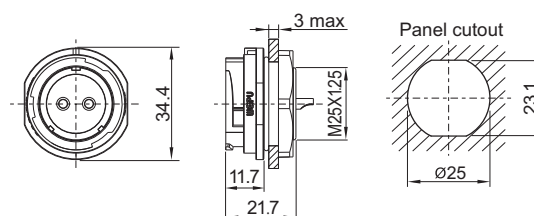
SY2512 / P — SY2512 / S

Number of contact

Rear-nut mount

Mate with SY2510

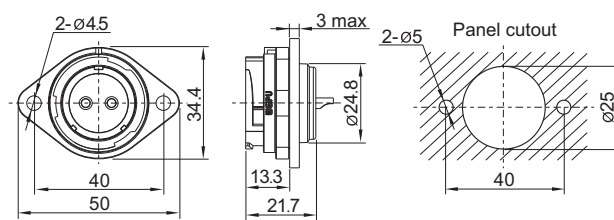
1: solder(omit), 2: screw, 3: crimp



SY2513 / P — SY2513 / S

2-hole flange

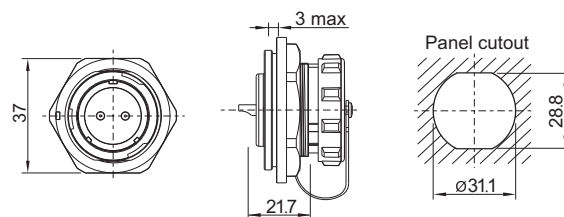
Mate with SY2510



SY2515 / P — SY2515 / S

Front-nut mount

Mate with SY2510



Solder contact spec

★Crimp contact spec see P20

★Screw contact spec see P21

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 for solder(mm²/AWG)	≤4/11	≤4/11	≤4/11	≤0.75/18 ≤4/11	≤2/14	≤2/14	≤0.75/18 ≤4/11	≤0.75/18
Wire size for screw termination (mm²/AWG)	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/

SY25 Series



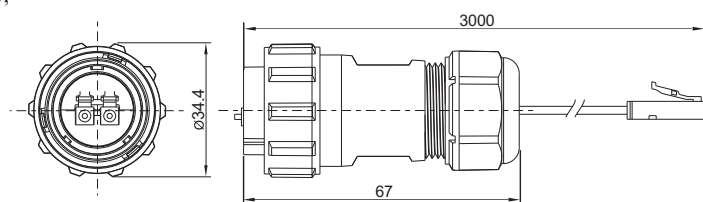
SY25
Signal Data



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

SY2510/PLC-

Cable length:
0.5m
1.0m
1.5m
2.0m
3.0m

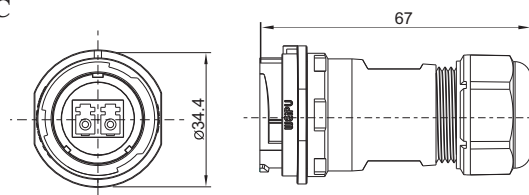


★ Cable length can be customized



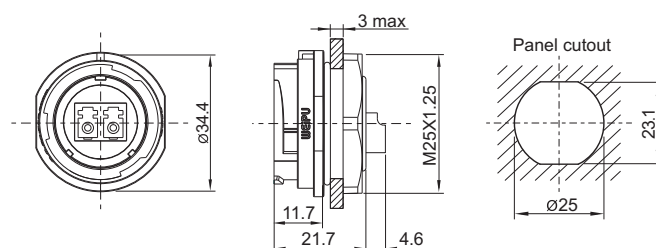
Receptacle with LC adapter C
Mate with SY2510

SY2511C/SLC



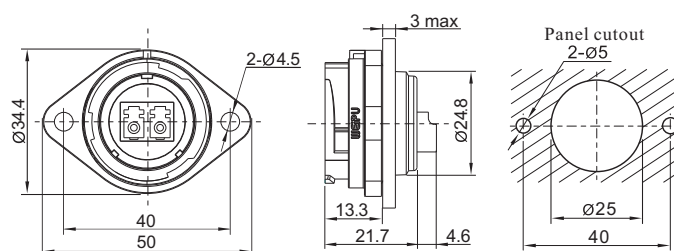
Rear-nut mount receptacle with LC adapter
Mate with SY2510

SY2512/SLC



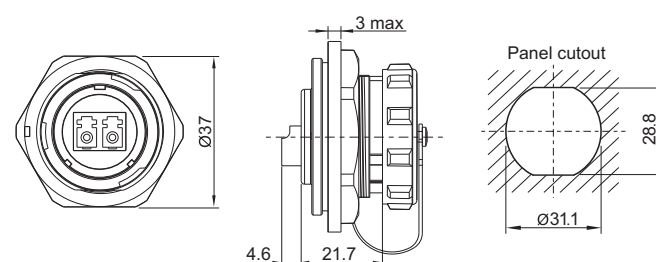
2-hole flange with LC adapter
Mate with SY2510

SY2513/SLC



Front-nut mount with LC adapter
Mate with SY2510

SY2515/SLC



SY25 Series



SY25
Signal Data

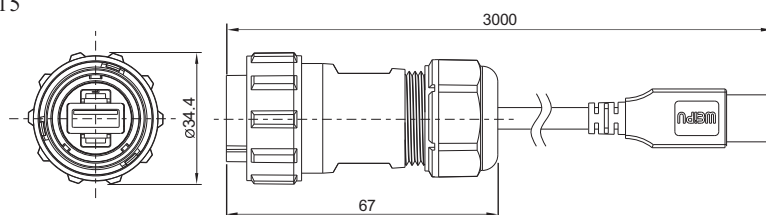


Plug with USB3.0 adapter

Mate with SY2511, SY2511C,
SY2512, SY2513, SY2515

SY2510/PUSB3.0-

Cable length:
0.5m
1.0m
1.5m
2.0m
3.0m



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

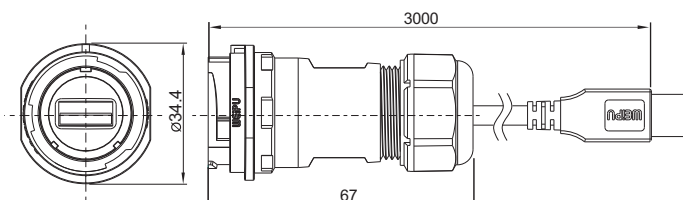
06



Receptacle with USB3.0 adapter C

Mate with SY2510

SY2511C/SUSB3.0-



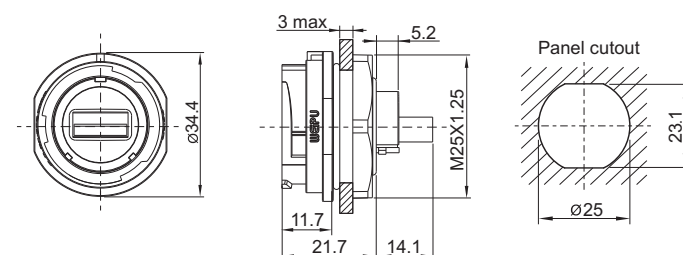
★ The cable length can be customized, but not more than 3 meters.



Rear-nut mount receptacle with USB3.0 adapter

Mate with SY2510

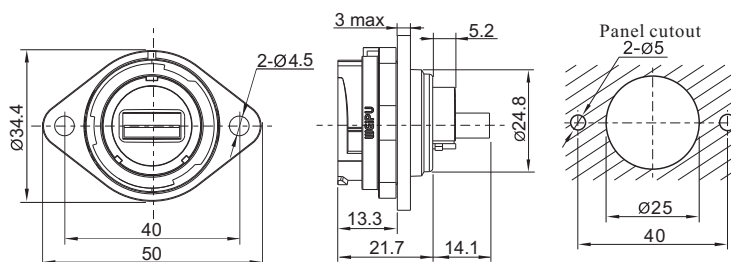
SY2512/SUSB3.0



2-hole flange with USB3.0 adapter

Mate with SY2510

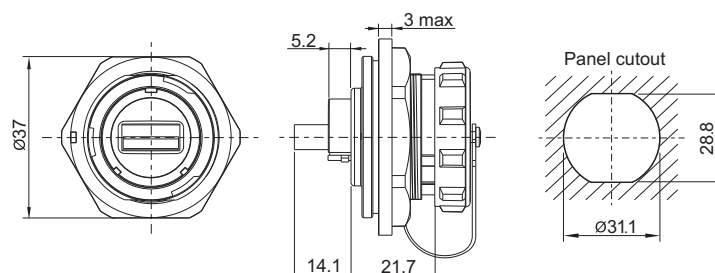
SY2513/SUSB3.0



Front-nut mount with USB3.0 adapter

Mate with SY2510

SY2515/SUSB3.0





SY25 Series

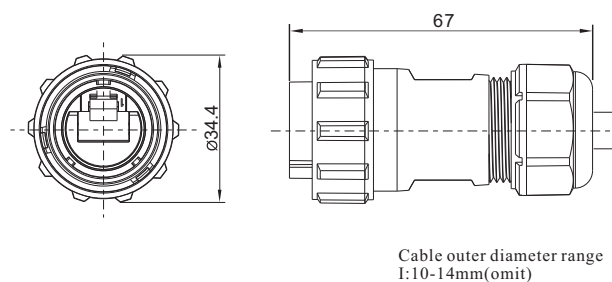
SY25
Signal Data



SY2510/PRJ45

Plug with RJ45 adapter

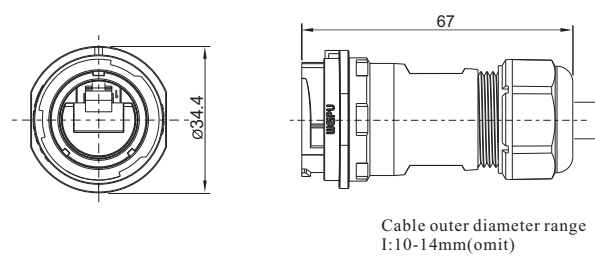
Mate with SY2511, SY2511C,
SY2512, SY2513, SY2515



SY2511C/SRJ45

Receptacle with RJ45 adapter C

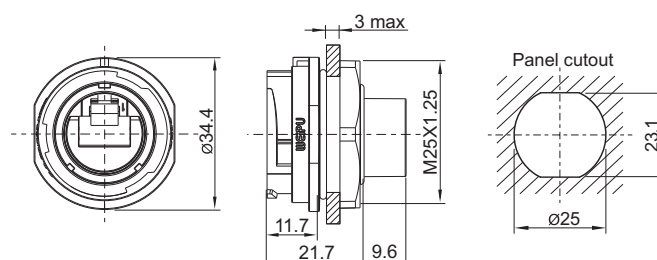
Mate with SY2510



SY2512/SRJ45

Rear-nut mount receptacle with RJ45 adapter C

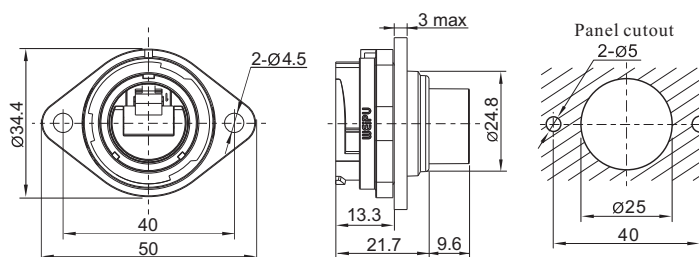
Mate with SY2510



SY2513/SRJ45

2-hole flange with RJ45 adapter

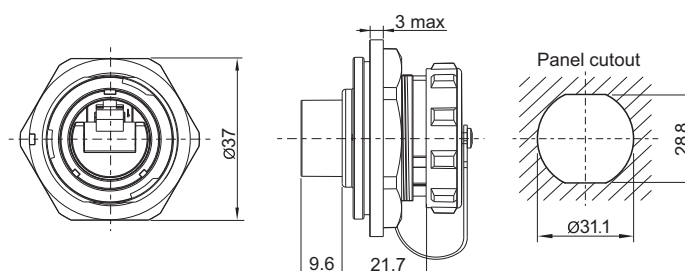
Mate with SY2510



SY2515/SRJ45

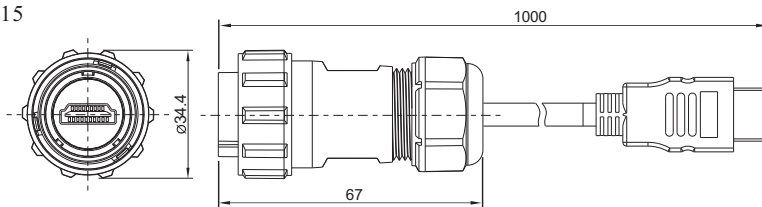
Front-nut mount with RJ45 adapter

Mate with SY2510





SY2510/PHDMI2.0—

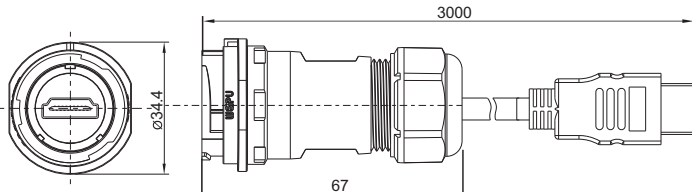
Plug with HDMI2.0 adapterMate with SY2511, SY2511C,
SY2512, SY2513, SY2515Cable length:
0.5m
1.0m
1.5m
2.0m
3.0m

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

06



SY2511C/SHDMI2.0—

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

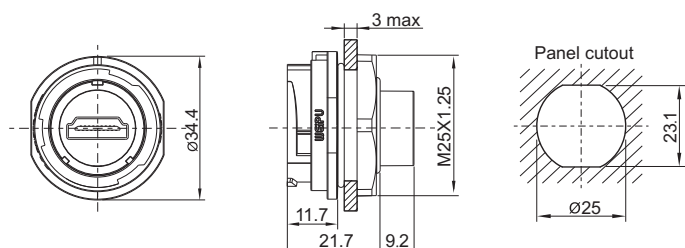
★ The cable length can be customized, but not more than 5 meters.



SY2512/SHDMI2.0

**Rear-nut mount receptacle
with HDMI2.0 adapter**

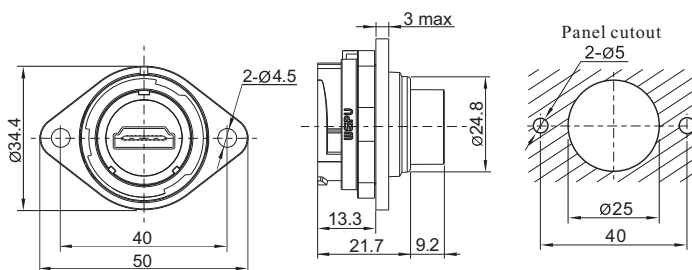
Mate with SY2510



SY2513/SHDMI2.0

**2-hole flange with
HDMI2.0 adapter**

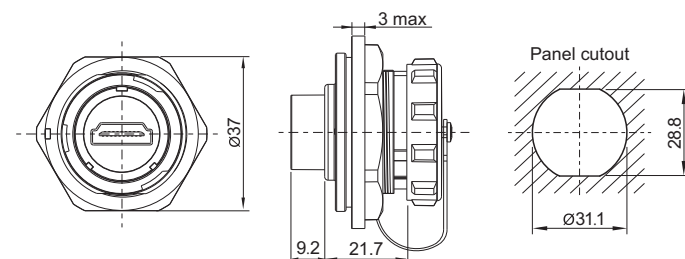
Mate with SY2510



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 _ _ _

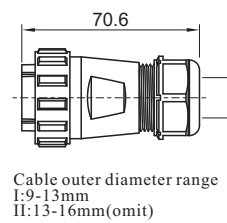
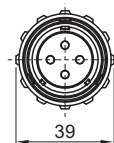
Male contact

Female contact

Number of contact

1: solder(omit), 2: screw, 3: crimp

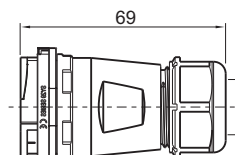
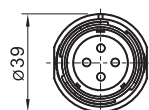
I: 9-13mm, II: 13-16mm(omit)
Cable outer diameter range



In-line cable connector C

Mate with SY2910

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



Cable outer diameter range
I: 9-13mm
II: 13-16mm(omit)



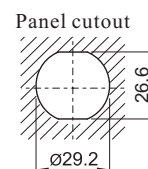
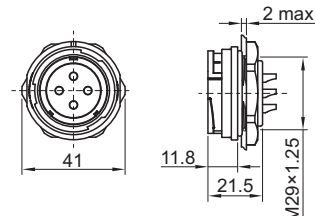
Rear-nut mount

Mate with SY2910

SY2912 / P _ _ SY2912 / S _ _

1: solder(omit), 2: screw, 3: crimp

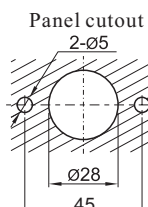
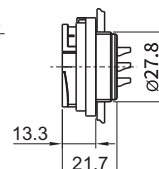
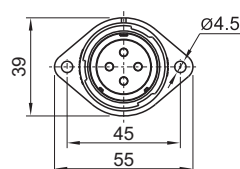
Number of contact



2-hole flange

Mate with SY2910

SY2913 / P _ _ SY2913 / S _ _



Solder contact spec

★ Crimp contact spec see P20

★ Screw contact spec see P21

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 for solder(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	≤0.75/18	≤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	/	/	/	/	/	/	/	/

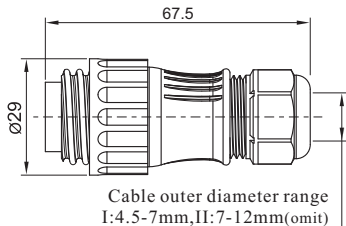


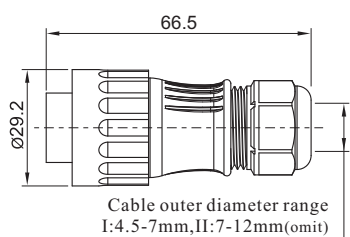
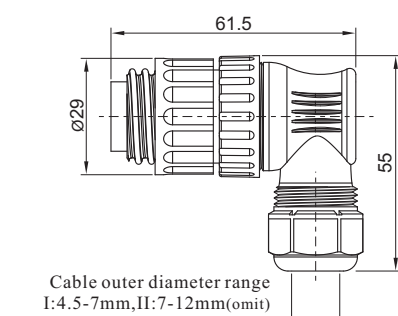
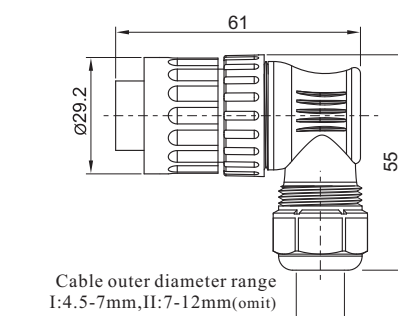
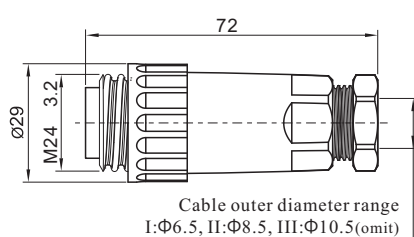
IP67

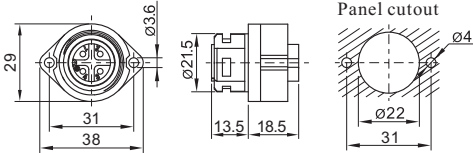
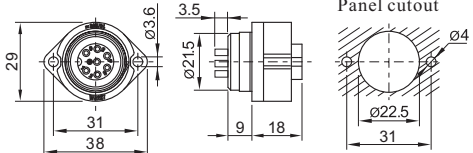
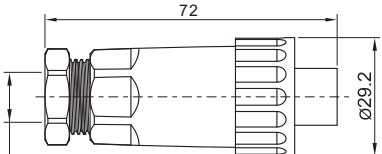
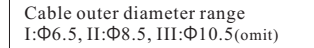
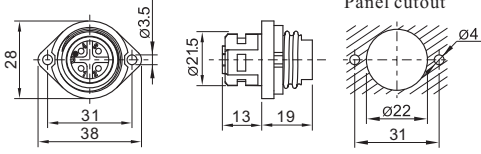
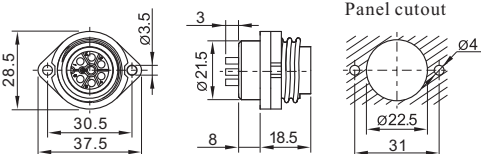
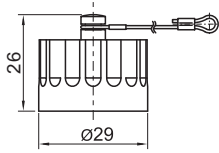
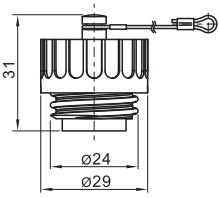


● WA22 Series IP67

Material and spec		
Number of contact	3+PE	6+PE
Contact diameter (mm)	Ø2	Ø1.5
Rated voltage (AC.V)	400	250
Rated current (A)	16	10
Wire size (mm ² /AWG)	≤2.5/14	≤0.75/18
Termination	Screw	Solder
Test voltage(AC.V)1min	2000	
Insulation resistance (MΩ)	2000	
Shell material	Nylon66, fire resistance: V-0	
Contact material	Brass with gold plating	
Temperature range	-40℃~+85℃	
Mating cycle	500	

Part number	Description	Drawing
WA22J4TK2 	3+PE male cable connector with short back shell, screw termination	 Cable outer diameter range I: 4.5-7mm, II: 7-12mm (omit)
WA22J7TK1 	6+PE male cable connector with short back shell, solder termination	

Part number	Description	Drawing
WA22K4TK2 	3+PE female cable connector with short back shell, screw termination	
WA22K7TK1 	6+PE female cable connector with short back shell, solder termination	
WA22J4TL2 	3+PE male cable connector with angled back shell, screw termination	
WA22J7TL1 	6+PE male cable connector with angled back shell, solder termination	
WA22K4TL2 	3+PE female cable connector with angled back shell, screw termination	
WA22K7TL1 	6+PE female cable connector with angled back shell, solder termination	
WA22J4TE2 	3+PE male cable connector , screw termination	
WA22J7TE1 	6+PE male cable connector , solder termination	

Part number	Description	Drawing
WA22K4Z2 	3+PE female panel connector, screw termination	
WA22K7Z1 	6+PE female panel connector, solder termination	
WA22K4ZE2 	3+PE female cable connector, screw termination	
WA22K7ZE1 	6+PE female cable connector, solder termination	
WA22J4Z2 	3+PE male panel connector, screw termination	
WA22J7Z1 	6+PE male panel connector, solder termination	
WA22G1 	Cap 1	
WA22G2 	Cap 2	



IP 65

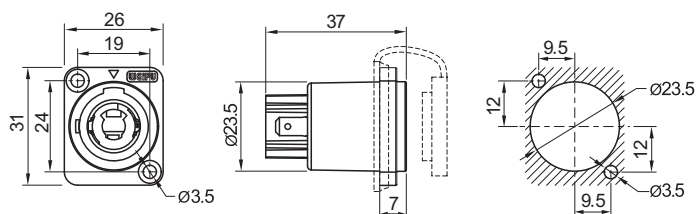

● WAC3 Series

WAC3MPA-1
WAC3MPB-1

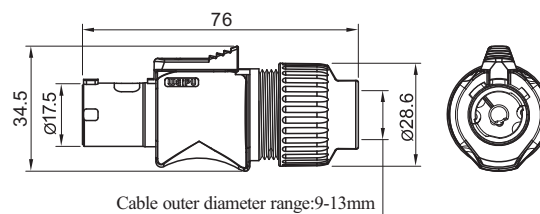
WAC3FCA

WAC3FCB

● Receptacle



● Plug



Material and spec

Coupling	Bayonet
Shell	Plug: Nylon66 Socket: PC
Contact material	Brass with silver plating
Rated current (A)	20
Rated voltage (AC, V)	250
Test voltage (AC.V) 1 min	2500
Insulation resistance (MΩ)	2000
Mating cycle	1000
Temperature range	-40℃ ~ +85℃
IP range	IP65
Termination	Plug: screw, Receptacle: 3/16" flat tab terminals

IP65

WAC3 Series



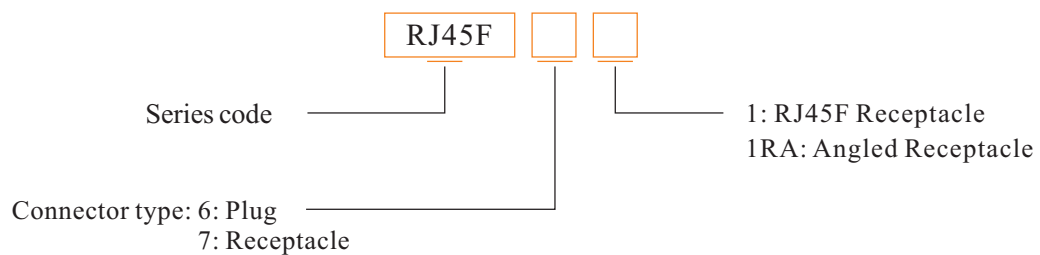
IP67



● RJ45F Series IP67

RJ45F connector is used to connect standard Ethernet Class D /Cat.5e and Class E/cat 6 (10 Base T , 100 base TX , 1000 Base T net works) in outdoor or water proof harsh working environment . no need soldering , easy to connect , it is widely use in communications , LED boards , security monitoring , automation control etc.

Part number system

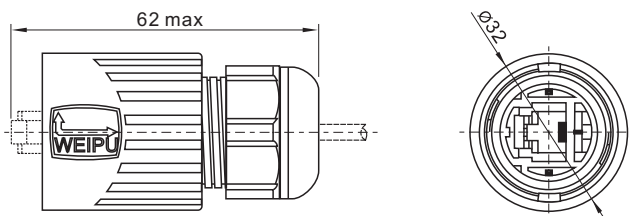


Material and spec

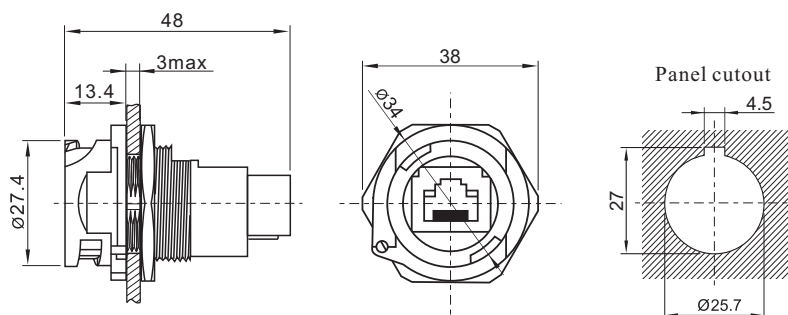
Coupling	Bayonet
Shell material	PC, fire resistance: V-0
IP rating	IP67
Cable out diameter range	I: 5~6mm (omit) , II: 6~7mm
Mating cycle	500
Temperature range	-40℃~+85℃

IP67

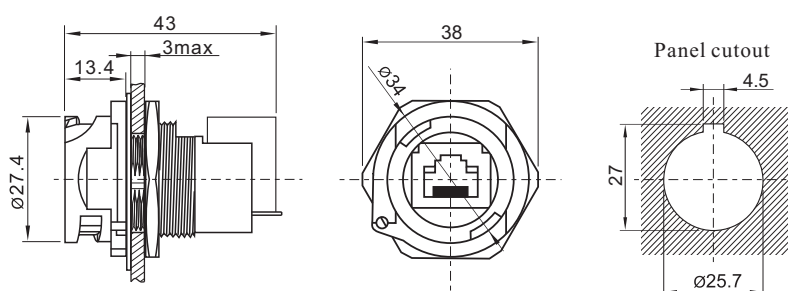

- **RJ45F plug: RJ45F6** — Cable outer diameter
I: 5-6mm(omit), II: 6-7mm



- **RJ45F Receptacle: RJ45F71**



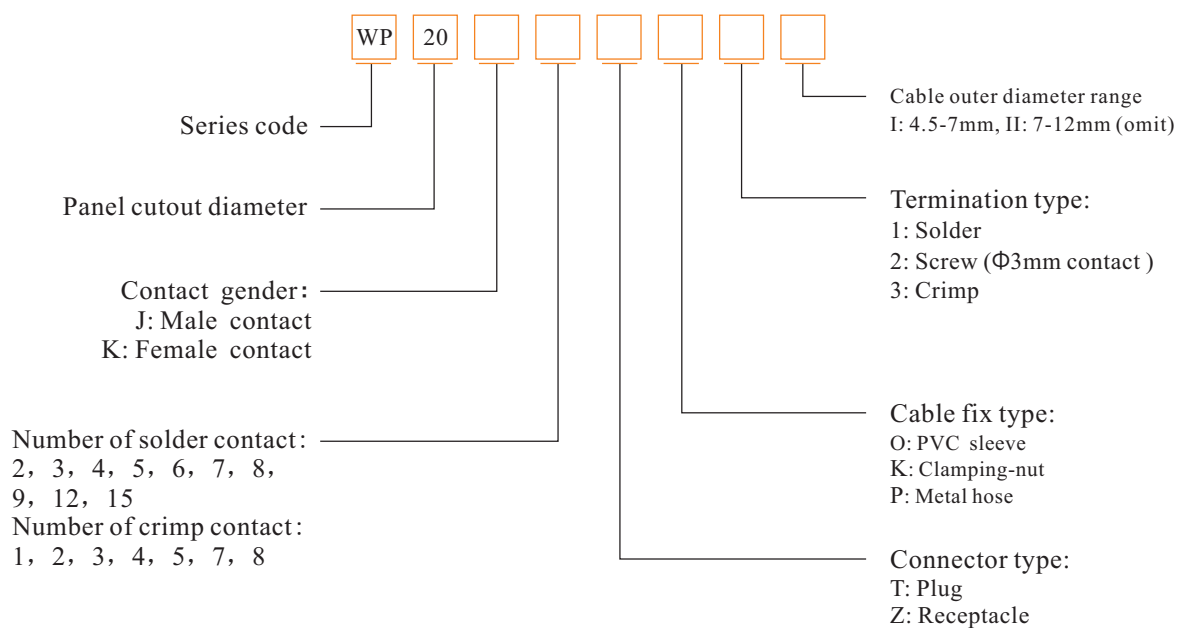
- **Angled Receptacle: RJ45F71RA**





● WP20 Series

Part number system



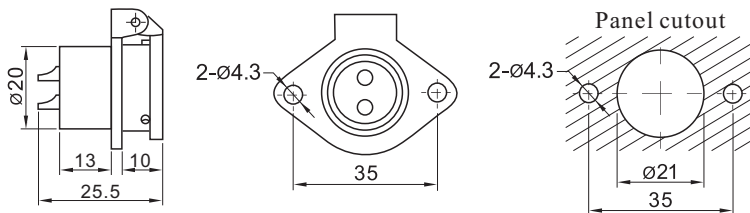
★ Each side can be male or female contact

Material and spec

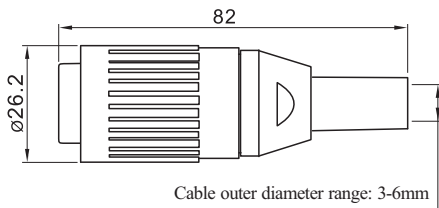
Coupling	Bayonet
Shell	Nylon 66 / Zinc alloy
Insert material	PPS, max temperature 260 °C
Contact material	Brass
Contact plating	Gold Plating
Termination	Solder: Φ1mm, Φ2mm, Φ3mm contact Screw: Φ3mm contact Crimp
Mating cycle	500
Temperature range	-40°C~+85°C



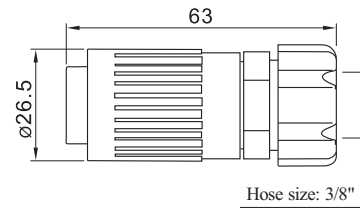
● Receptacle: Z IP44



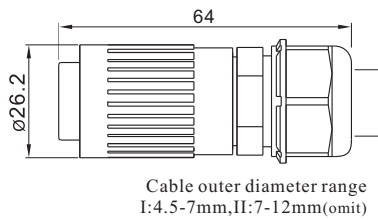
● PVC sleeve : TO



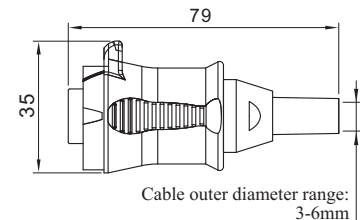
● Metal hose: TP



● Plastic clamping-nut: TK IP55



● Without bayonet: TO-G



Solder contact spec

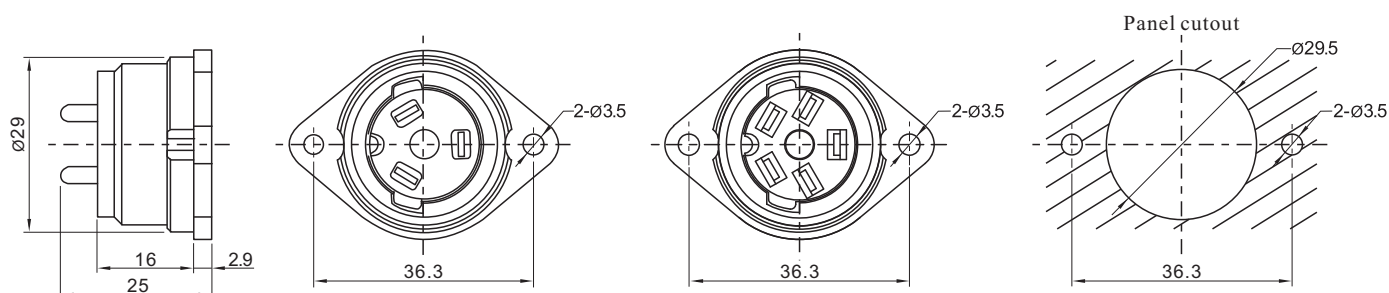
★Crimp contact spec see P20

★Screw contact spec see P21

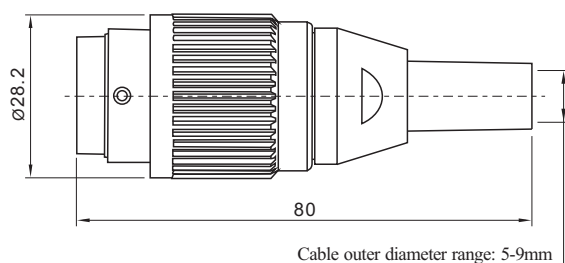
Number of contact	2	3	4	5	5B	5C	6	6B	7	8	9	12	15
Male contact face view													
Rated current (A)	30	30	30	30	30 5	15	25 5	30 5	15	10	5	5	5
Contact diameter(mm)	Ø3X2	Ø3X3	Ø3X4	Ø3X5	Ø3X2 Ø1X3	Ø2X5	Ø2.5X4 Ø1X2	Ø3X2 Ø1X4	Ø2X7	Ø1.5X8	Ø1X9	Ø1X12	Ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	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(mm²/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 (mm²/AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15	/	/	/	/	/	/	/	/	/



- **WT29 Series**
- **Receptacle: WT29K3Z / WT29K5Z**



- **Plug: WT29J3T / WT29J5T**



Material and spec

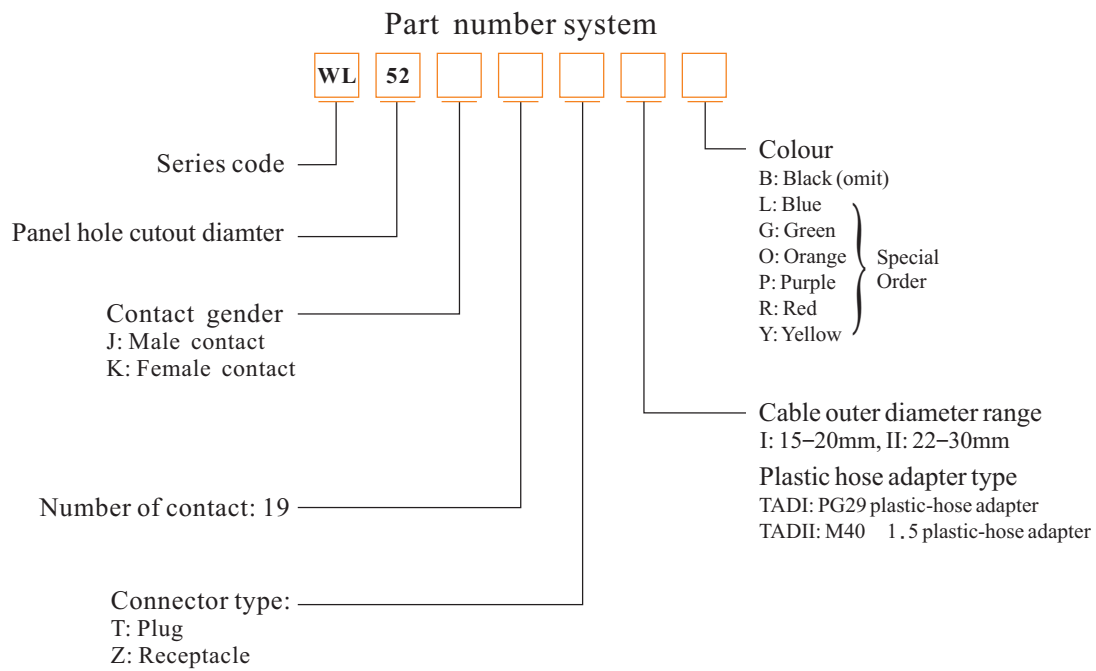
Coupling	Bayonet
Shell	Nylon PA66, Fire resistance V-0
Insert material	Nylon PA66
Contact material	Brass with silver plating
Termination	Solder
Mating cycle	500
Temperature range	-40°C ~ +85°C
Insulation resistance (MΩ)	2000
Test voltage (AC.V) 1 min	1500
Wire size (mm²/AWG)	2.5 / 16 max
Rated current (A)	10
Rated voltage (AC.V)	400
Contact resistance (mΩ)	2.5

WT29 Series



IP66/67

● WL52 Series

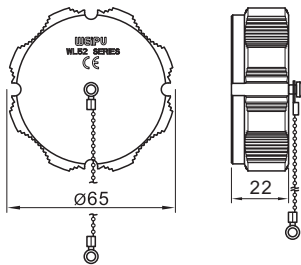


Material and spec

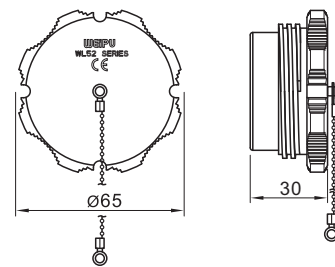
Coupling	Threaded
Shell	Anodized aluminium
Insert material	PPS, fire resistance: V-0, max temperature 260°C
Contact material	Brass with gold plating
IP rating	IP66/67
Termination	Solder
Mating cycle	500
Temperature range	-40°C ~ +85°C
Insulation resistance	2000 MΩ



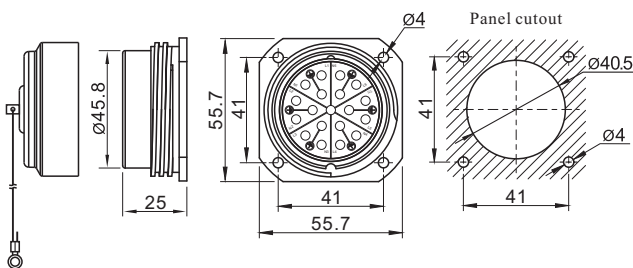
- **WL52-GZK IP67**
Aluminium cap for female-contact connector



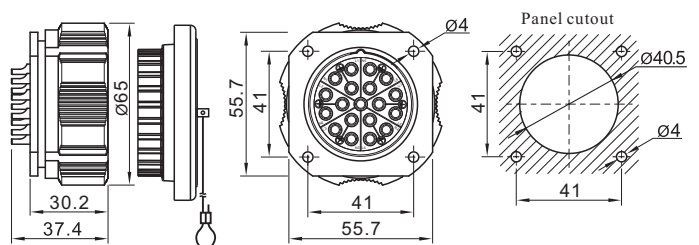
- **WL52-GZJ IP67**
Aluminium cap for male-contact connector



- **WL52K19Z IP67**
Square flange female contact receptacle



- **WL52J19Z IP67**
Square flange male contact receptacle

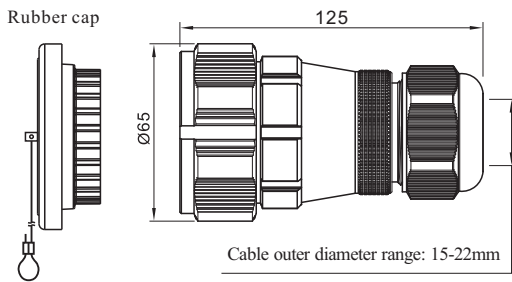


Solder contact spec

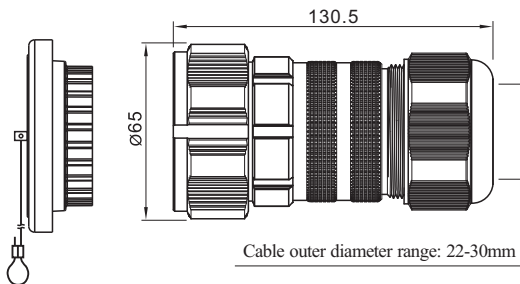
Number of contact	19
Male contact face view	
Rated current (A)	25
Contact diameter(mm)	Ø3
Rated voltage (AC.V)	700 (DC.V), 500 (AC.V)
Test voltage(AC.V) 1 min	2500
Contact resistance(mΩ)	1
Wire size (mm²/AWG)	≤6/9



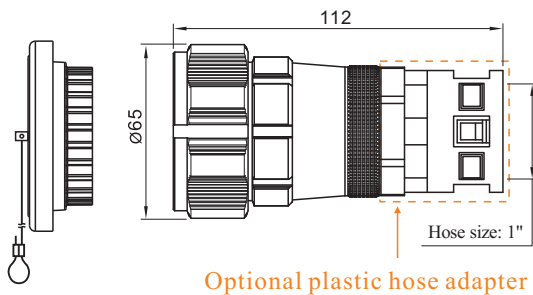
● **Male-contact plug with clamping-nut: WL52J19T IP67**



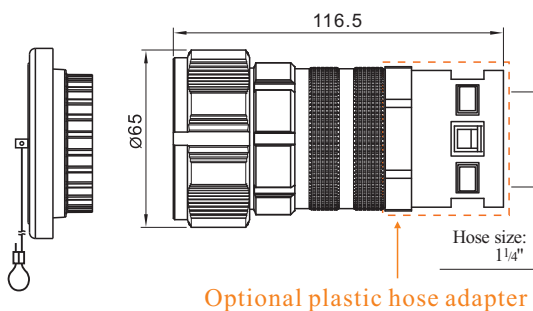
● **Male-contact plug with clamping-nut 2: WL52J19TII IP67**



● **Male-contact plug for PG29 plastic hose adapter: WL52J19TAD I IP66**

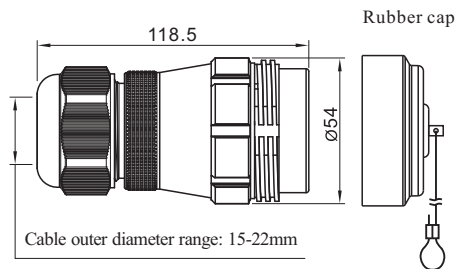


● **Male-contact plug for M40 × 1.5 plastic hose adapter: WL52J19TAD II IP66**

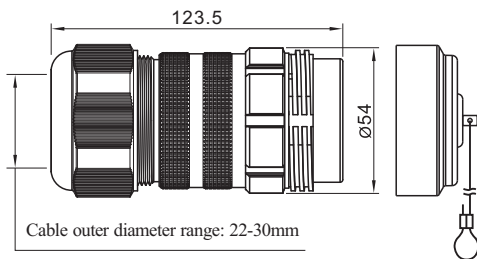




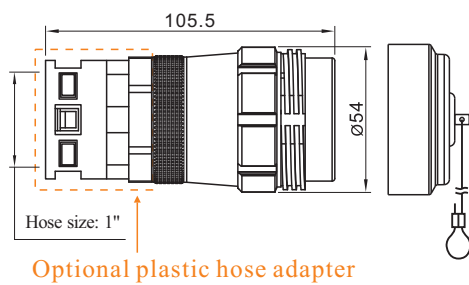
● **Female-contact connector with clamping-nut: WL52K19T IP67**



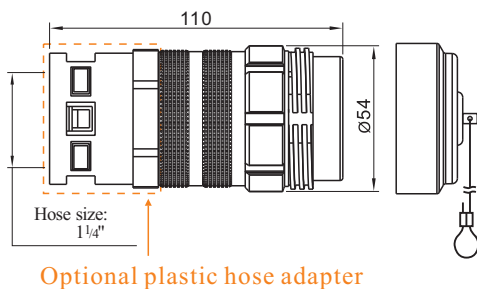
● **Female-contact connector with clamping-nut 2: WL52K19TII IP67**



● **Female-contact connector for PG29 Plastic hose adapter: WL52K19TAD I IP66**

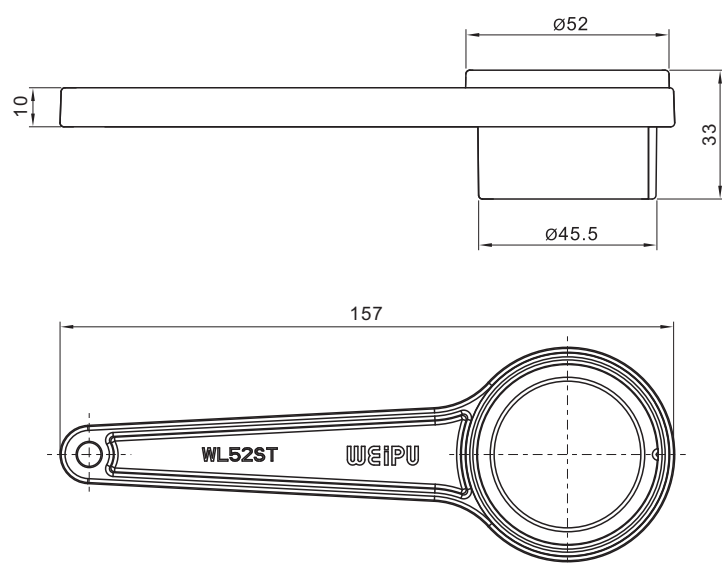


● **Female-contact connector for M40×1.5 Plastichose adapter: WL52K19TAD II IP66**



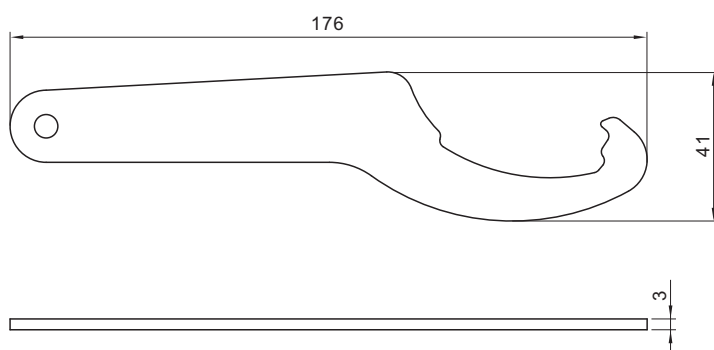


● **Wrench 1: WL52ST**



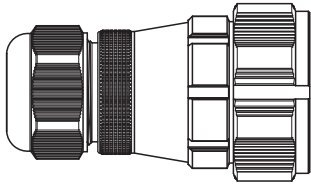
12

● **Wrench 2: WL52SY**

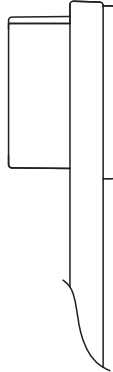


Instruction

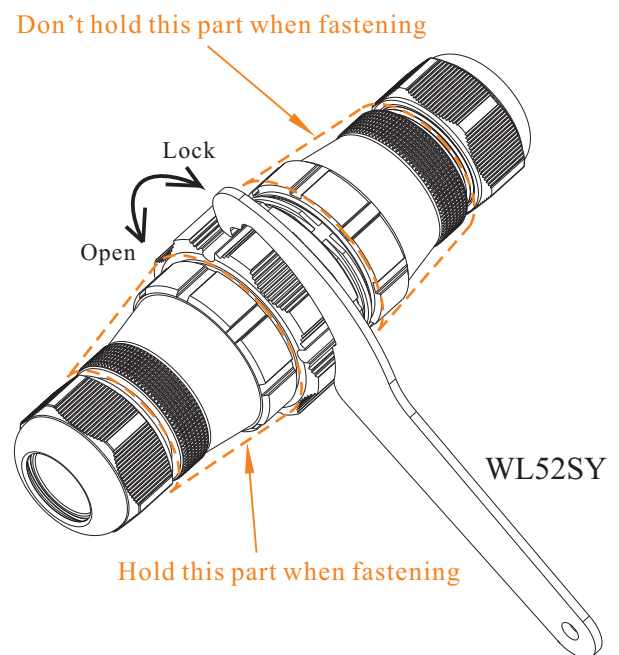
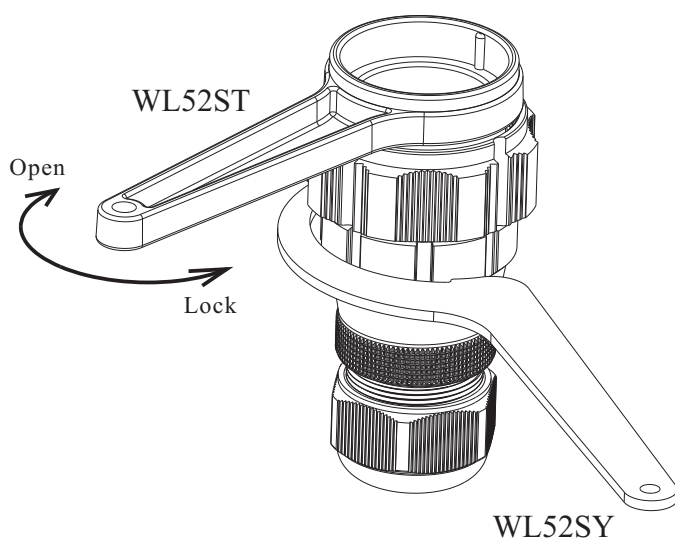
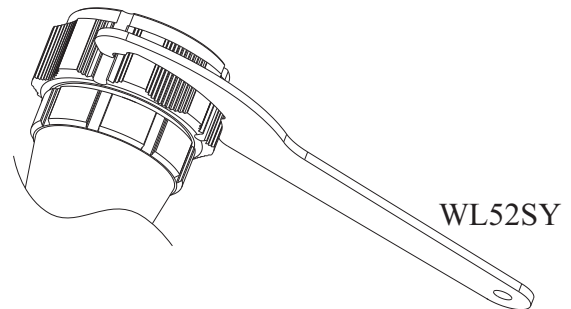
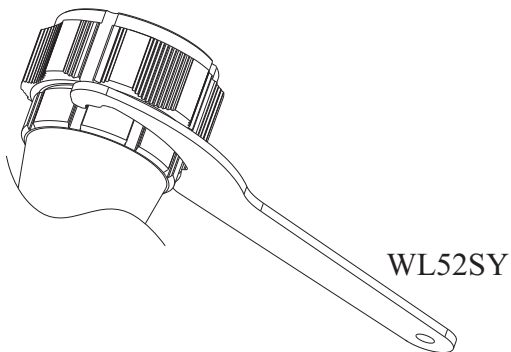
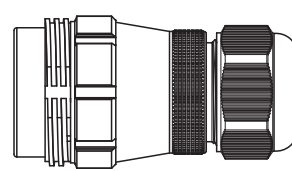
Male-contact connector



WL52ST

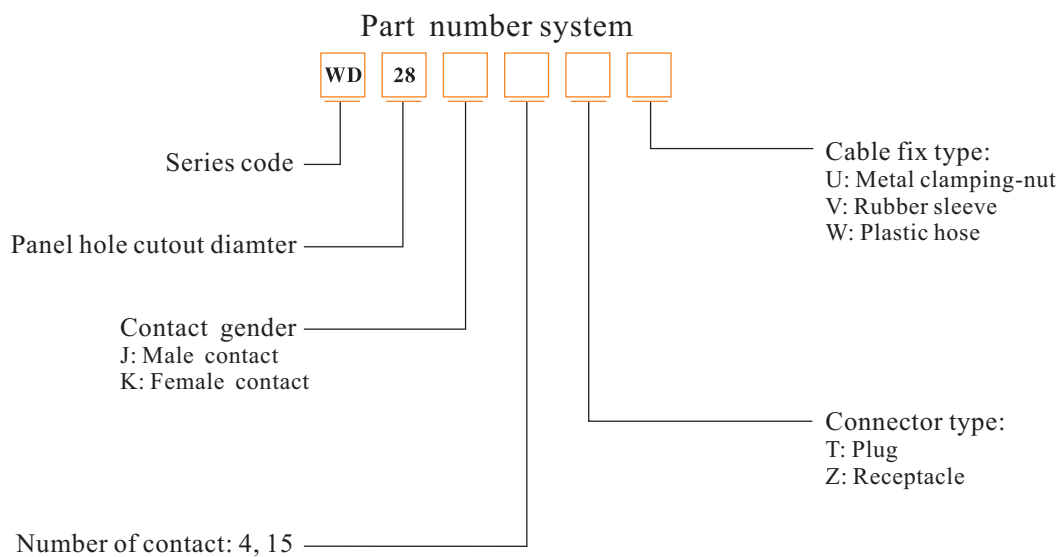


Female-contact connector





● WD Series

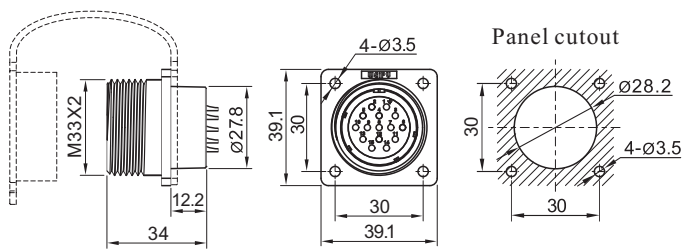


Material and spec

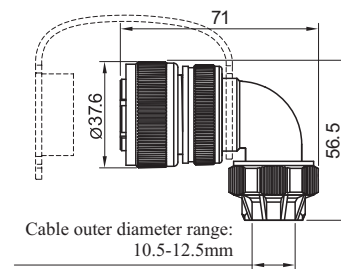
Coupling	Threaded
Shell material	Zinc alloy with black nickel plating
Insert material	PPS, max temperature 260 C
Contact material	Brass with gold plating
Termination	Solder
Mating cycle	500
Temperature range	-40℃~+85℃
Insulation resistance	2000 MΩ



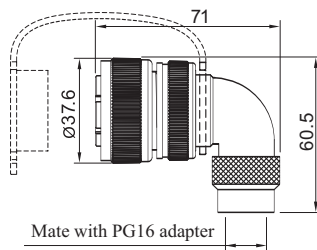
● Receptacle: Z IP65



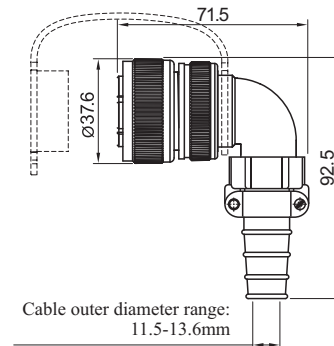
● Cable connector with clamping-nut: TU IP65



● Cable connector for plastic hose: TW IP55



● Cable connector with rubber sleeve: TV IP65

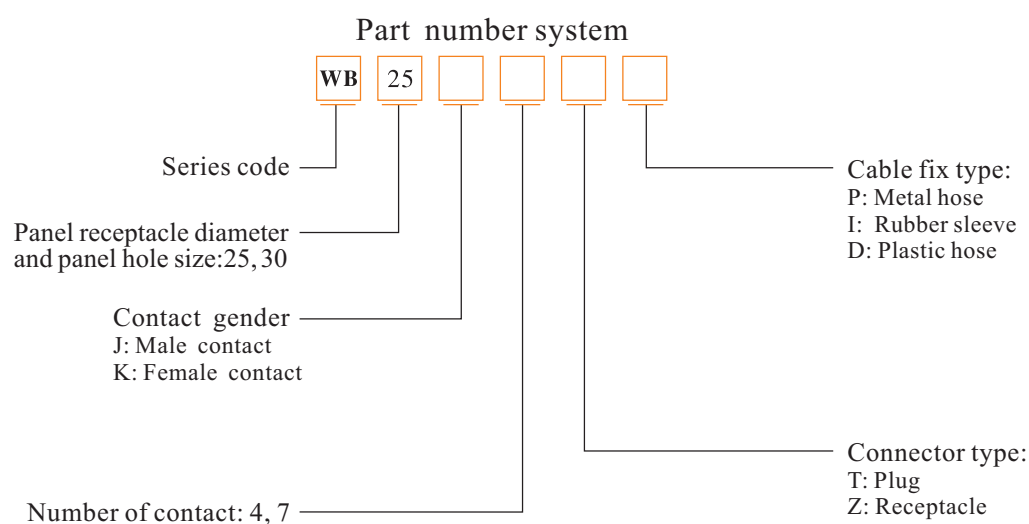


Solder contact spec

Number of contact	4	15
Male contact face view		
Rated current (A)	50A、25A	10A
Contact diameter(mm)	ø3.5X3、ø2.5X1	ø1.5 X15
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	0.5、1	2.5
Wire size (mm²/AWG)	≤10 / 7、≤4 / 11	≤2 / 14



● WB Series

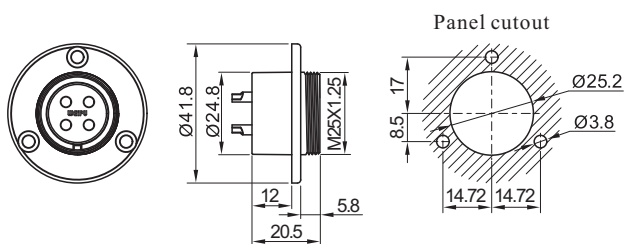


Material and spec

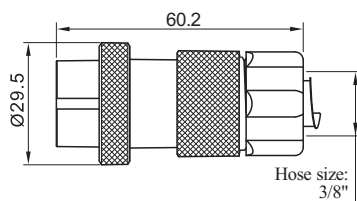
Coupling	Threaded
Shell material	Zinc alloy with chrome plating
Insert material	PPS, max temperature 260℃
Contact material	Brass with gold plating
Termination	Solder
Mating cycle	500
Temperature range	-40℃ ~ +85℃
Insulation resistance	2000 MΩ



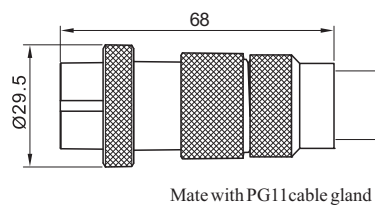
● Receptacle: Z



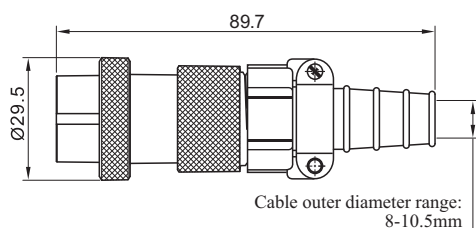
● Plug for metal-hose: TP



● Plug for plastic hose: TD



● Plug with rubber sleeve: TI

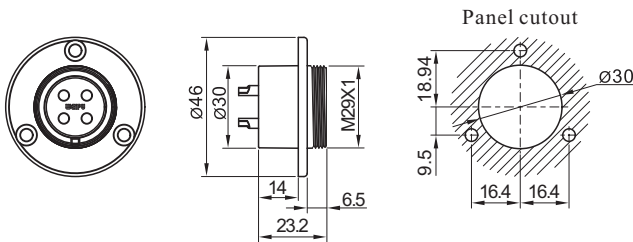


Solder contact spec

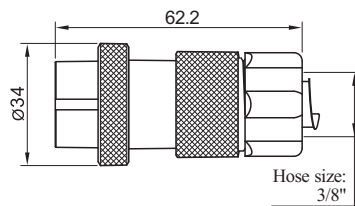
Number of contact	4
Male contact face view	
Rated current (A)	25
Contact diameter(mm)	ø2.5X4
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	1
Wire size (mm ² /AWG)	≤4 / 11



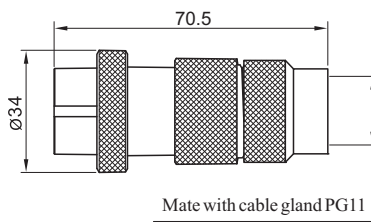
● Receptacle: Z



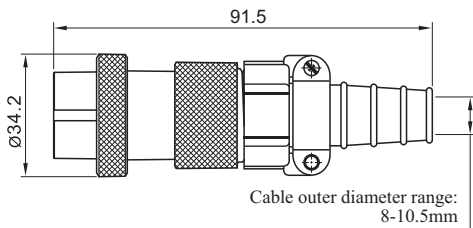
● Plug for metal-hose: TP



● Plug for plastic hose: TD



● Plug with rubber sleeve: TI



Solder contact spec

Number of contact	4	7
Male contact face view		
Rated current (A)	30	25
Contact diameter(mm)	$\varnothing 3.5 \times 4$	$\varnothing 2.5 \times 7$
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(m Ω)	1	1
Wire size (mm ² /AWG)	$\leq 4 / 11$	$\leq 4 / 11$

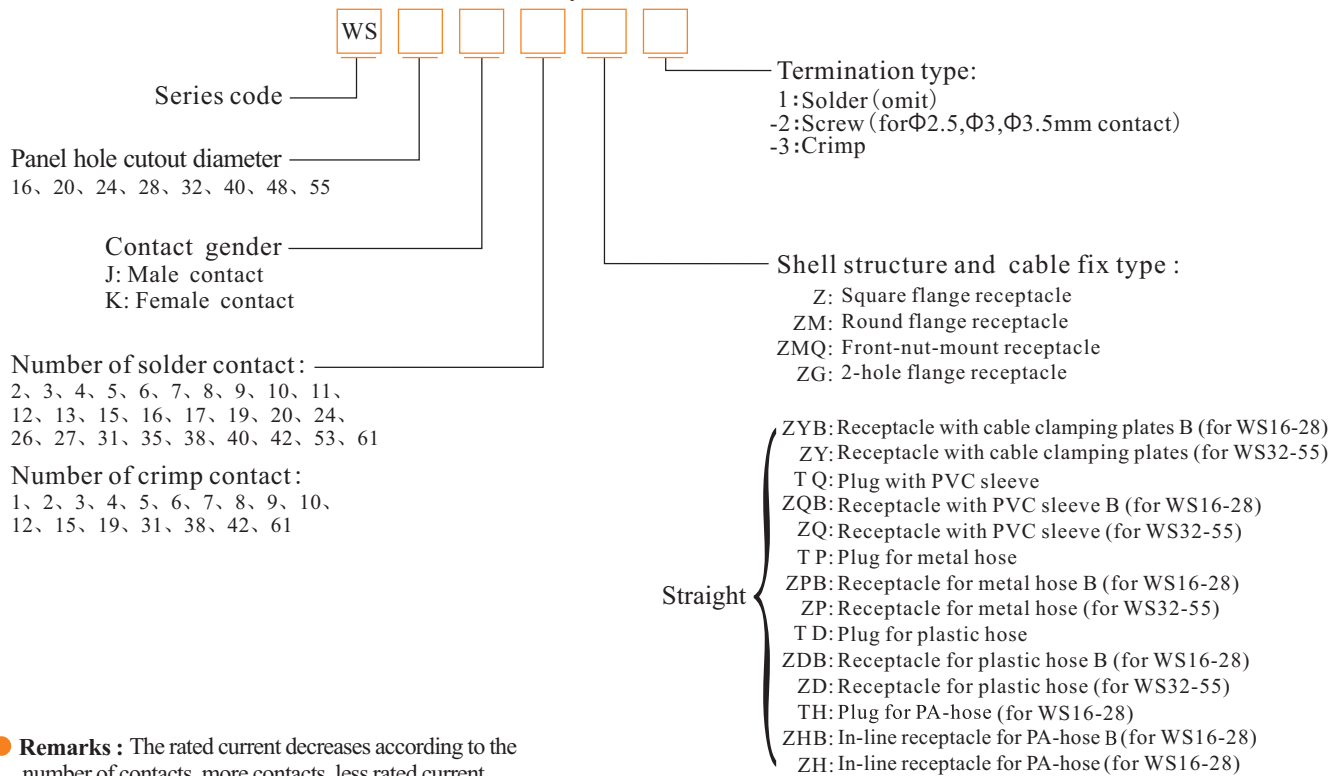
WB Series





● WS Series

Part number system



● **Remarks :** The rated current decreases according to the number of contacts, more contacts, less rated current.

Number of contact	1~3	4~10	11~20	21~30	31~40	41~50	51~61
(%) Rated current decrease rate	0	10	20	30	40	50	60

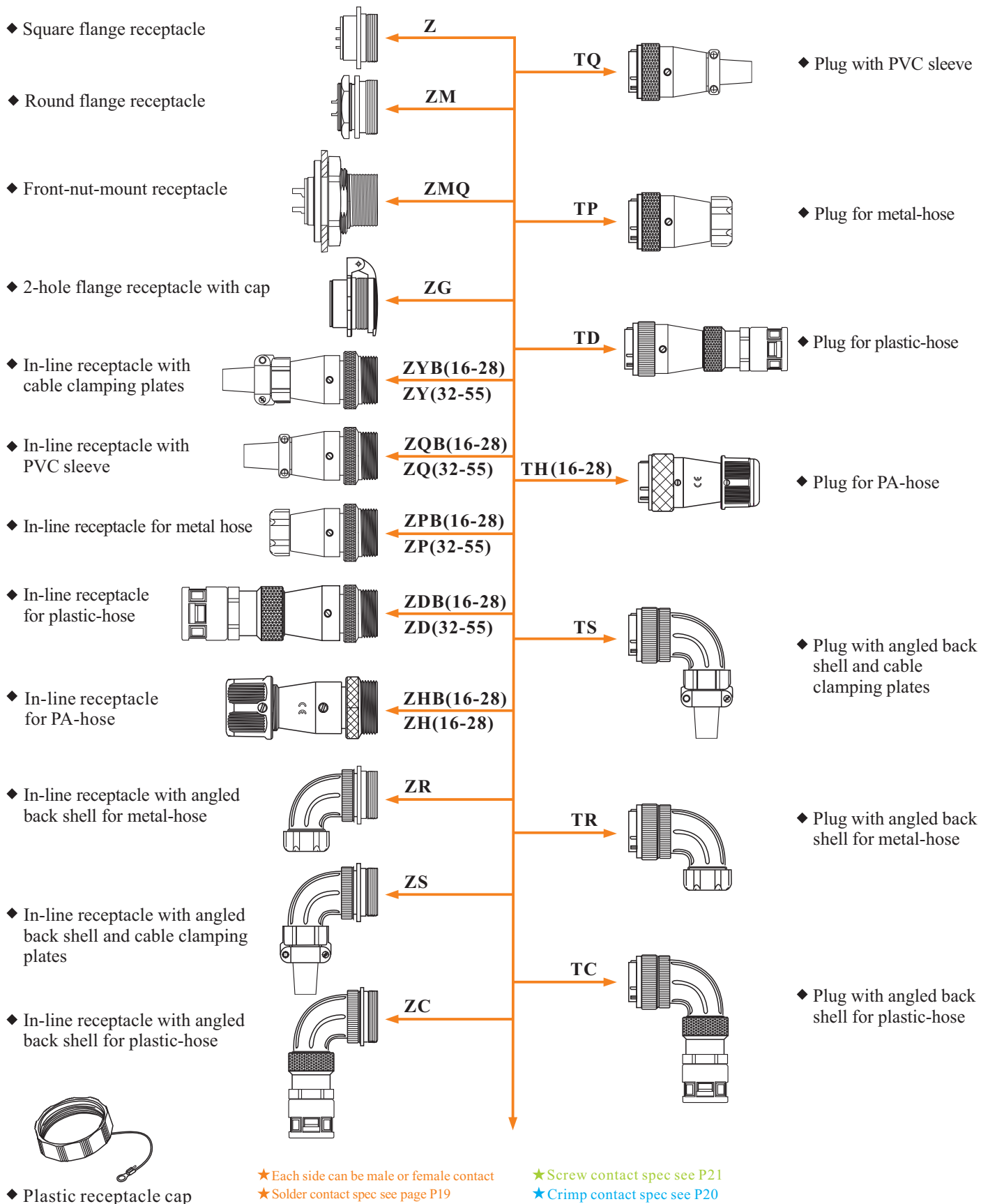
Material and spec

Coupling	Threaded
Shell material	Zinc alloy with chrome plating
Insert material	PPS, max temperature 260 °C
Contact material	Brass with gold plating
Termination	Solder: $\Phi 1, \Phi 1.5, \Phi 2.5, \Phi 3.5, \Phi 5.5$ mm; Screw: $\Phi 2.5, \Phi 3, \Phi 3.5$ mm; Crimp: $\Phi 1, \Phi 1.5, \Phi 2.5, \Phi 3.5, \Phi 5.5, \Phi 10$ mm
Mating cycle	500
Temperature range	-40°C ~ +85°C

★ Each side can be male or female contact
★ Solder contact spec see page P19

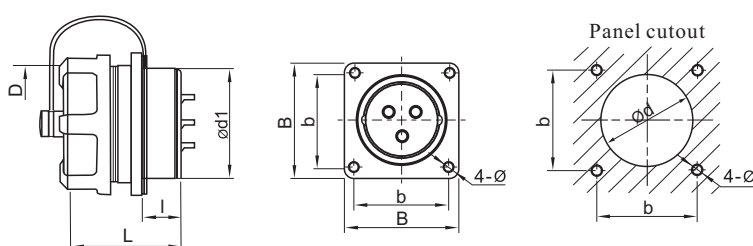
★ Screw contact spec see P21
★ Crimp contact spec see P20

WS Series Mating diagram





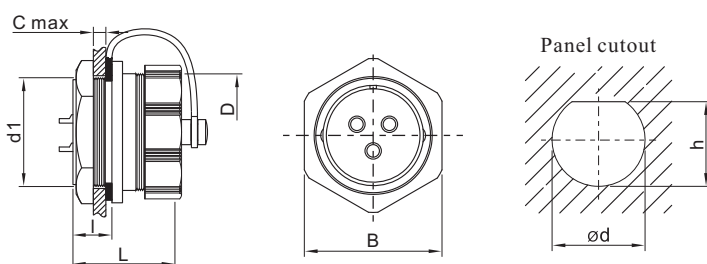
● Square flange mount receptacle: Z



Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ød1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
D	M18X1	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
I	9.7	10	10	10	14.4	14.2	14.2	14
L	21.6	23	23	23	34	34	34	34
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
ød	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
Ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

The cap for WS16 is optional, for other models is default configuration

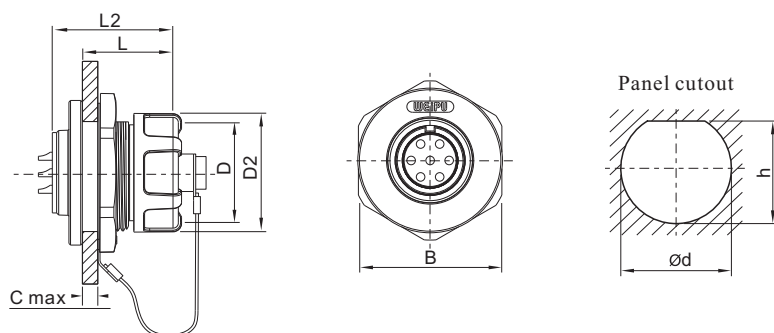
● Round flange receptacle: ZM



Dimension(mm)	WS16	WS20	WS24	WS28
d1	M16X1	M20X1	M24X1	M28X1
D	M18X1	M22X1	M26X1	M30X1
C	5	5	5	5
I	9.7	9.9	10	10.2
L	22	23	23	23
B	21.2	25	29.2	33.3
ød	15.7	19.7	23.7	27.7
h	15.3	19.3	23.2	26.9

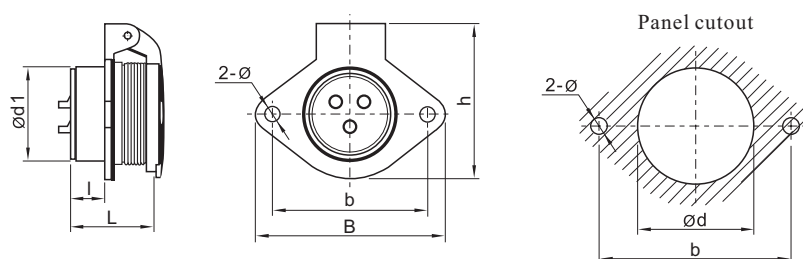


● Front-nut-mount receptacle: ZMQ



Dimension(mm)	WS16	WS20	WS24	WS28
øD	M18X1	M22X1	M26X1	M30X1
D2	M22X1	M26X1	M30X1	M34X1
L	16	17	17	17
L2	21.6	23	23	23
C	5	5	5	5
B	26.8	30.8	34.8	38.8
ød	22	26	30	34
h	20.6	24.6	28.6	32.6

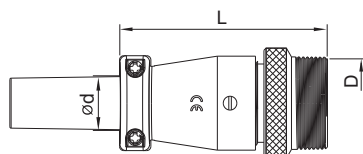
● 2-hole flange receptacle with cap: ZG



Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ød1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
l	10	10	10	10	15.4	14.7	14.3	14
L	22	23	23	23	34	34	34	34
b	30	35	40	45	55	65	80	85
B	38	44	50	55	67	77	92	98
h	32.5	36.5	40.5	45.5	52.5	63.5	74.5	80
ød	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
ø	3.5	4.5	4.5	4.5	5.5	5.5	5.5	6.5



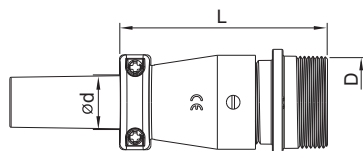
● In-line receptacle with PVC sleeve B: ZQB



Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	44.5	49	53	55
ød max	10.5	13	13.5	17.5

Optional cap size see P18
PVC sleeve dimension see P18

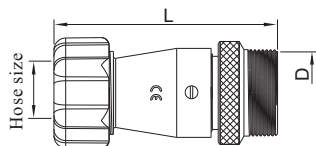
● In-line receptacle with PVC sleeve: ZQ



Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	70.5	76.5	85	97.5
ød max	21.5	26	26	32

Optional cap size see P18
PVC sleeve dimension see P18

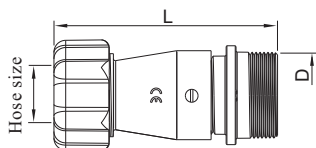
● In-line receptacle for metal-hose B: ZPB



Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	50	57.5	60.5	64.5
Hose size	1/4"	3/8"	3/8"	1/2"

Optional cap size see P18

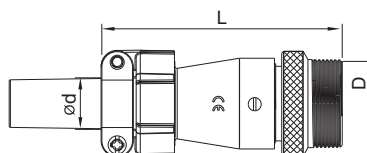
● In-line receptacle for metal-hose: ZP



Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	80	87	97	113
Hose size	3/4"	1"	I: 1"(omit) II: 1 1/4"	1 1/4"

Optional cap size see P18

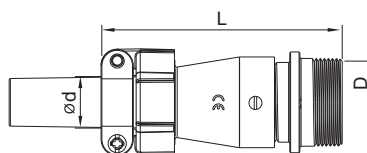
● In-line receptacle with cable clamping plates B: ZYB



Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	50.5	60.5	63.5	69
ød max	10.4	13.5	13.5	17

Optional cap size see P18
PVC sleeve dimension see P18

● In-line receptacle with cable clamping plates: ZY

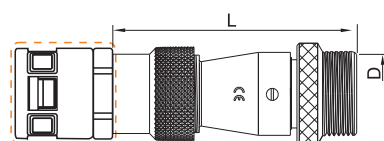


Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	86	95	102	117.5
ød max	19	25	I: 24(omit) II: 32	32

Optional cap size see P18
PVC sleeve dimension see P18



● In-line receptacle for plastic-hose B: ZDB

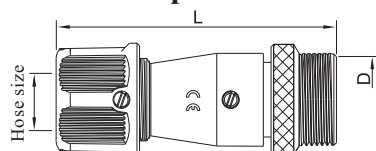


Optional plastic hose adapter

Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	55.5	64.5	69	75.5
Adapter size	PG7	PG11	PG11	PG16
model of plastic hose adapter	WQG-PG7(B)	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)
Hose size	AD10	AD15.8	AD15.8	AD21.2

Optional cap size see P18

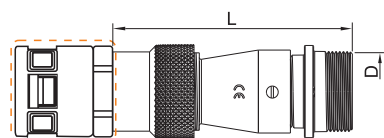
● In-line receptacle for PA-hose B: ZHB



Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	52.6	63	67	71
Hose size	AD10	AD15.8	AD15.8	AD21.2

Optional cap size see P18

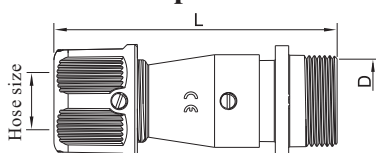
● In-line receptacle for plastic-hose: ZD



Optional plastic hose adapter

Dimension(mm)	WS32	WS40	WS48	WS55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	89.5	96.5	105	119.5
Adapter size	PG21	PG29	I: PG29(omit) II: PG36	PG36
model of plastic hose adapter	WQG-PG21(B)	WQG-PG29(B)	I: WQG-PG29(B) II: WQG-PG36(B)	WQG-PG36(B)
Hose size	AD28.5	AD34.5	I: AD34.5(omit) II: AD42.5	AD42.5

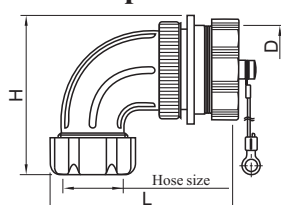
● In-line receptacle for PA-hose: ZH



Dimension(mm)	WS16	WS20	WS24	WS28
D	M18X1	M22X1	M26X1	M30X1
L	55	61	66	70
Hose size	AD10	AD15.8	AD15.8	AD21.2

Optional cap size see P18

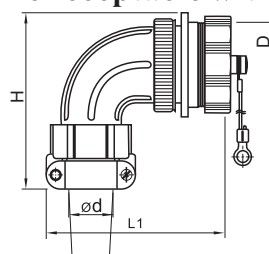
● In-line receptacle with angled back shell for metal-hose: ZR



Dimension(mm)	WS20	WS24	WS28	WS32	WS40	WS48	WS55
D	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	61	60.5	64.5	83.5	90.5	97	114.5
H	48	51.5	52	63.5	74.5	85	98
Hose size	3/8"	3/8"	1/2"	3/4"	1"	1"	1 1/4"

Optional cap size see P18

● In-line receptacle with angled back shell and cable clamping plates: ZS

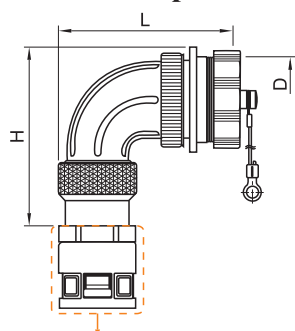


Dimension(mm)	WS20	WS24	WS28	WS32	WS40	WS48	WS55
D	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	60.5	60.5	64.5	82	89	95.5	114
H	56.5	57	63.5	72	83.5	94.5	112.5
ød max	13.5	13	17	19	23	24	32

Optional cap size see P18



● In-line receptacle with angled back shell for plastic-hose: ZC

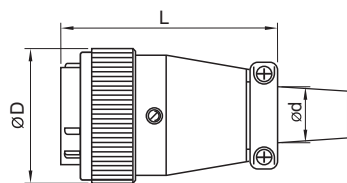


Optional plastic hose adapter

Dimension(mm)	WS20	WS24	WS28	WS32	WS40	WS48	WS55
D	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	60	61	63	82	88.5	95	112
H	58	60	65	75.5	83	95.5	104
Adapter size	PG11	PG11	PG16	PG21	PG29	PG29	PG36
model of plastic hose adapter	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)	WQG-PG21(B)	WQG-PG29(B)	WQG-PG29(B)	WQG-PG36(B)
Hose size	AD15.8	AD15.8	AD21.2	AD28.5	AD34.5	AD34.5	AD42.5

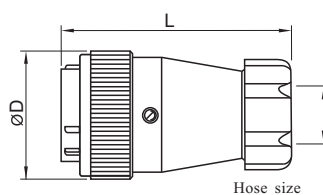
Optional cap size see P18

● Plug with PVC sleeve: TQ



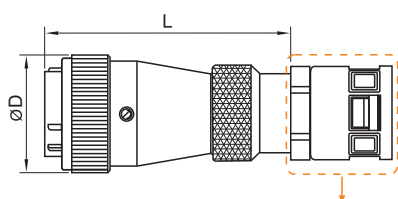
Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	21.5	26	30	34	39.5	49.5	57	64.5
L	44	49	53	55	69	76	85	97
ød max	10.5	13	13.5	17.5	21.5	26	26	32

● Plug for metal-hose: TP



Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD1	21.5	26	30	34	39.5	49.5	57	64.5
L	48.5	57	61	64	81	86	96.5	112
Hose size	1/4"	3/8"	3/8"	1/2"	3/4"	1"	I: 1" II: 1 1/4"	1 1/4"

● Plug for plastic-hose: TD

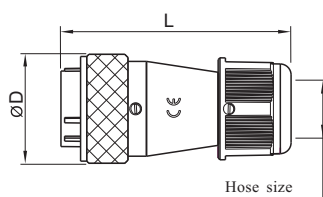


Optional plastic hose adapter

Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	21.5	26	30	34.5	39.5	49.5	57	64.5
L	56	64.5	68.5	73	88.5	95.5	105	119
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	I: PG29(omit) II: PG36	PG36
model of plastic hose adapter	WQG-PG7(B)	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)	WQG-PG21(B)	WQG-PG29(B)	I: WQG-PG29(B) II: WQG-PG36(B)	WQG-PG36(B)
Hose size	AD10	AD15.8	AD15.8	AD21.2	AD28.5	AD34.5	I: AD34.5(omit) II: AD42.5	AD 42.5

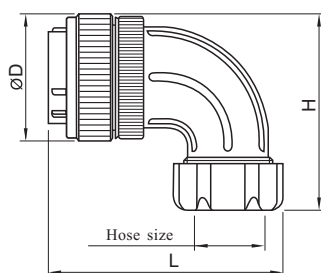


● Plug for PA-hose: TH



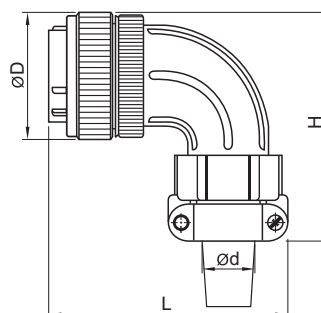
Dimension(mm)	WS16	WS20	WS24	WS28
ØD	22	26.2	30	34
L	52	63.5	66.5	69.5
Hose size	AD10	AD15.8	AD15.8	AD21.2

● Plug with angled back shell for metal-hose: TR



Dimension(mm)	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	27.5	31	35	39	49	57	64.5
H	50	51	54.5	63	73	89	97.5
L	60	60	64	82	87.5	94	115
Hose size	3/8"	3/8"	1/2"	3/4"	1"	1"	1 1/4"

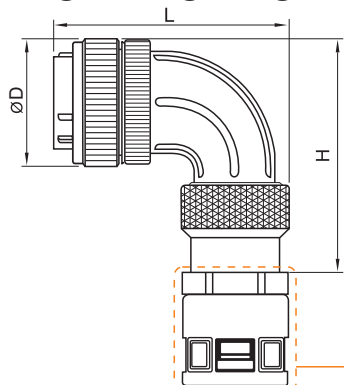
● Plug with angled back shell with cable clamping plates: TS



Dimension(mm)	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	27.5	31	35	39	49.5	57	65
H	53.5	56	61	67.5	78	91	99.5
L	60	60	64	81	88	95	106
Ød max	13.5	13.5	16.8	19	23.5	24	32

TC Plug with right angle back shell for plastic-hose: TC

● Plug with right angle back shell for plastic-hose: TC

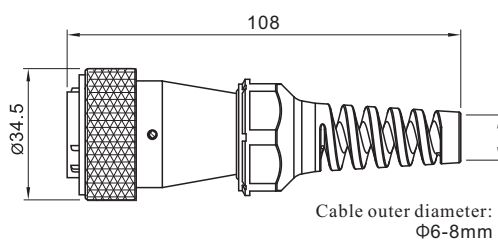


Dimension(mm)	WS20	WS24	WS28	WS32	WS40	WS48	WS55
ØD	27.5	31	35	39	49.5	57	64.5
H	57	62	65	71.5	82	96	104
L	59.5	60	63	81	88	94	112
Adapter size	PG11	PG11	PG16	PG21	PG29	PG29	PG36
model of plastic hose adapter	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)	WQG-PG21(B)	WQG-PG29(B)	WQG-PG29(B)	WQG-PG36(B)
Hose size	AD15.8	AD15.8	AD21.2	AD28.5	AD34.5	AD34.5	AD42.5

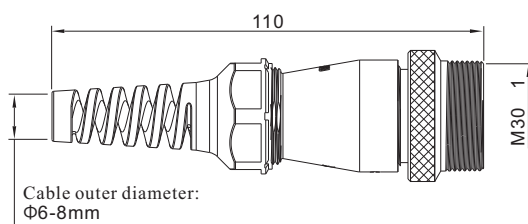
Optional plastic hose adapter



● Plug with strain relief: TX



● In-line receptacle with anti-bending sleeve B: ZXB



★ It can be produced 28 models, other models are customizable

Solder contact spec

★ Crimp contact spec see P20

★ Screw contact spec see P21

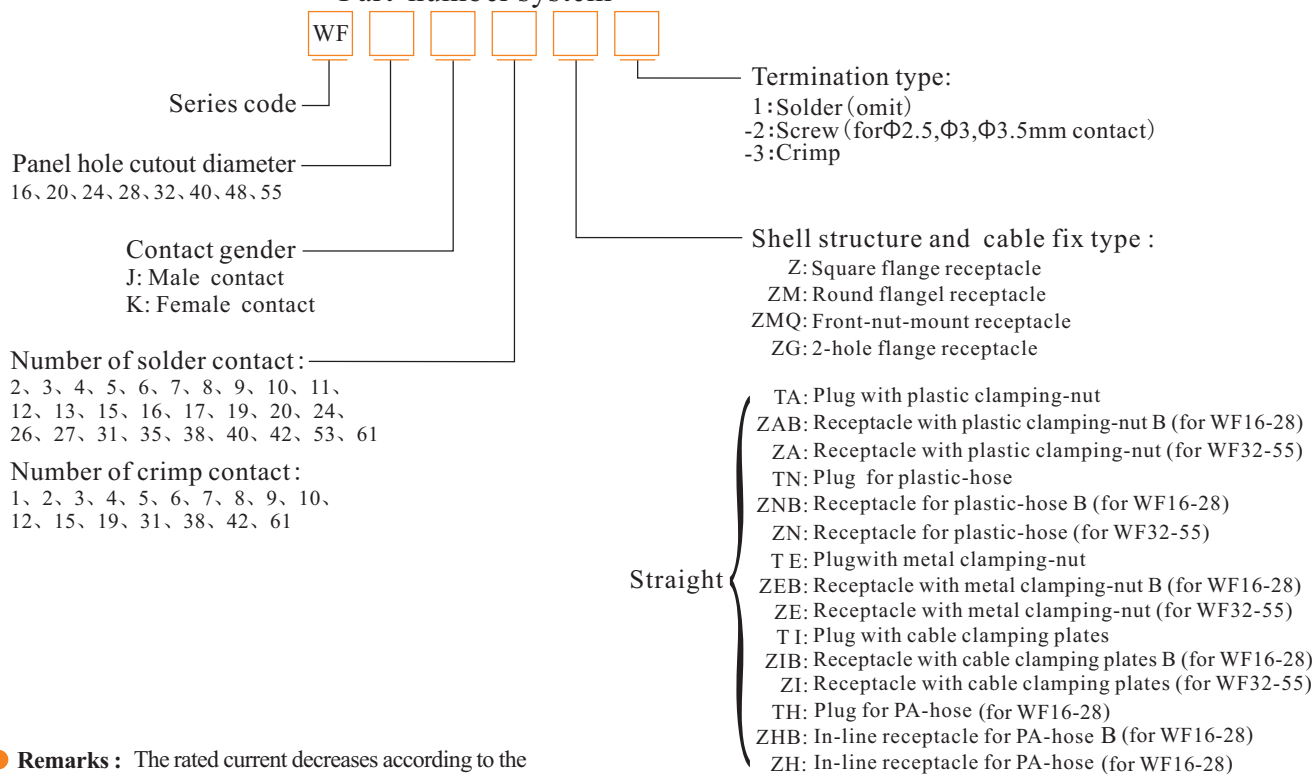
WS28							9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60.5	25.5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	Ø3.5X2	Ø3.5X3	Ø2.5X4	Ø2.5X7	Ø2.5X8	Ø5X2 Ø1X6	Ø2.5X4 Ø1X5	Ø2.5X10	Ø1.5X10	Ø1.5X12	Ø1.5X16	Ø1.5X17	Ø1X20	Ø1X24	Ø1X26	Ø1X35
Rated voltage (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	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤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	/	/	/	/	/	/	/	/





WF Series

Part number system



Remarks: The rated current decreases according to the number of contacts, more contacts, less rated current.

Number of contact	1~3	4~10	11~20	21~30	31~40	41~50	51~61
(%)	0	10	20	30	40	50	60
Rated current decrease rate	0	10	20	30	40	50	60

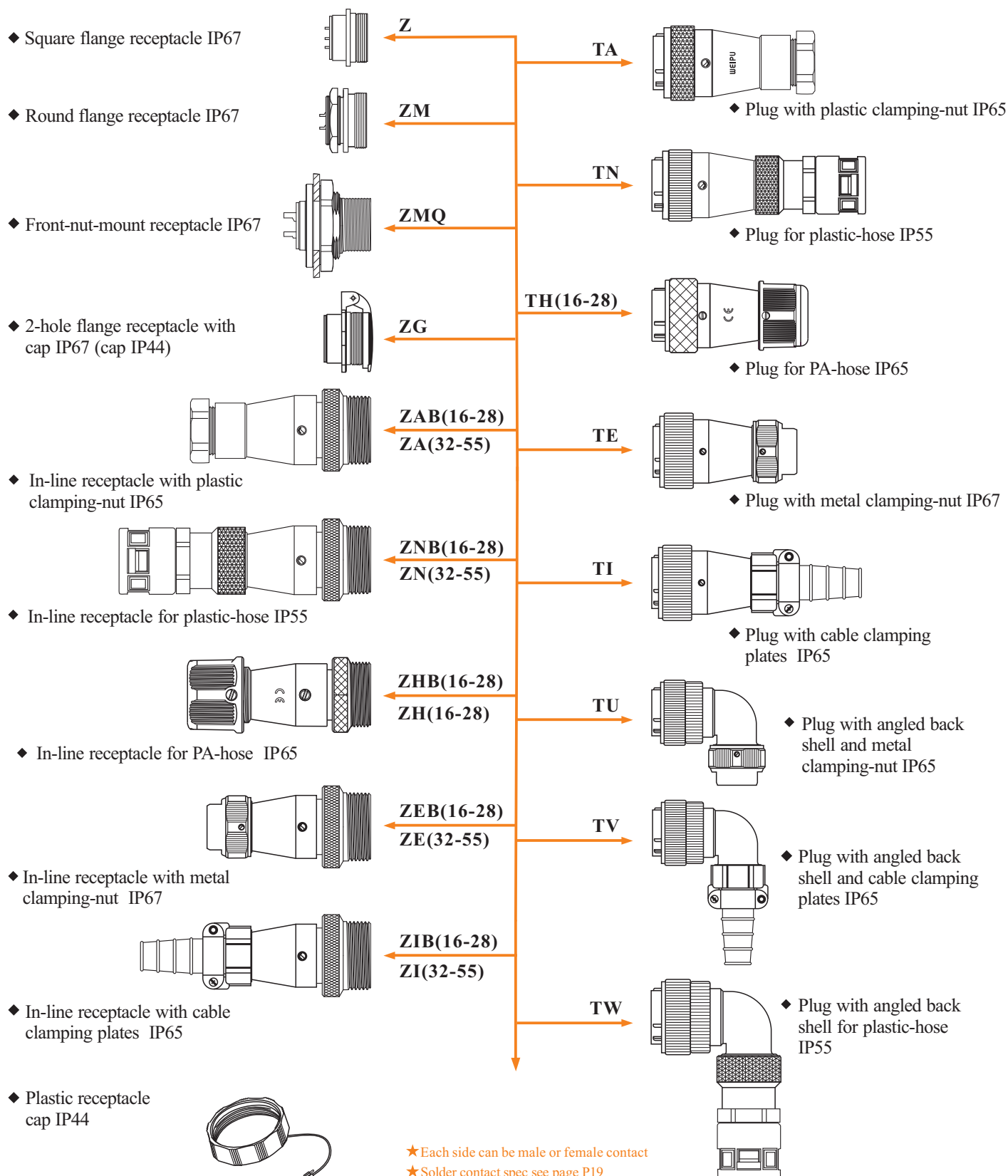
Material and spec

Coupling	Threaded
Shell material	Zinc alloy with chrome plating
Insert material	PPS, max temperature 260°C
Contact material	Brass with gold plating
Termination	Solder: $\Phi 1, \Phi 1.5, \Phi 2.5, \Phi 3.5, \Phi 5.5$ mm; Screw: $\Phi 2.5, \Phi 3, \Phi 3.5$ mm; Crimp: $\Phi 1, \Phi 1.5, \Phi 2.5, \Phi 3.5, \Phi 5.5, \Phi 10$ mm
Mating cycle	500
Temperature range	-40°C ~ +85°C

★ Each side can be male or female contact
★ Solder contact spec see page P19

★ Screw contact spec see P21
★ Crimp contact spec see P20

WF Series Mating diagram

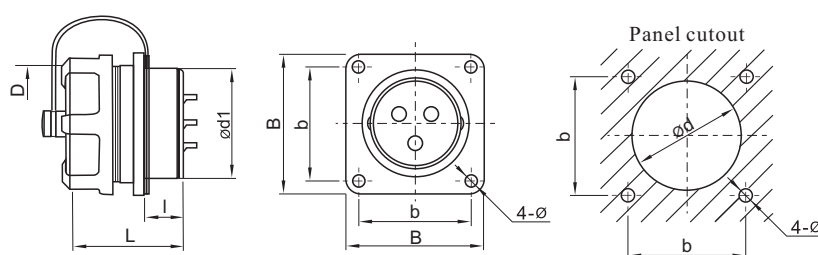


★ IP rating marked is for after mated or with cap.

★ Each side can be male or female contact
 ★ Solder contact spec see page P19
 ★ Screw contact spec see P21
 ★ Crimp contact spec see P20

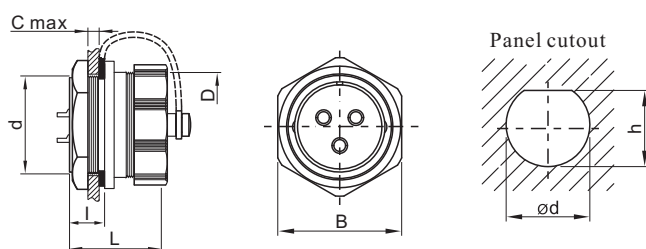


● Square flange receptacle: Z IP67



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ød1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
D	M18X1	M22X1	M26X1	M30X1	M35X1.5	M44X1.5	M52X1.5	M59X1.5
I	9.7	10	10	10	14.4	14.2	14.2	14
L	21.6	23	23	23	34	34	34	34
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
ød	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

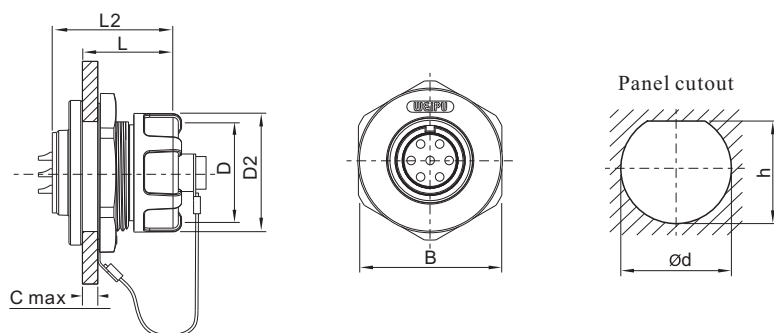
● Round flange receptacle: ZM IP67



Dimension(mm)	WF16	WF20	WF24	WF28
d	M16X1	M20X1	M24X1	M28X1
D	M18X1	M22X1	M26X1	M30X1
C	5	5	5	5
I	9.7	9.9	10	10.2
L	22	23	23	23
B	21.2	25.5	29.2	33.3
ød	15.7	19.7	23.7	27.7
h	15.3	19.3	23.2	26.9

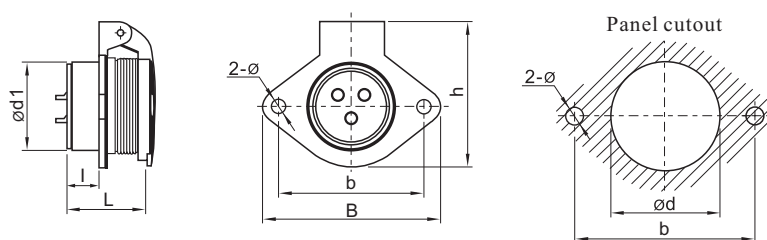


● Front-nut-mount panel receptacle: ZMQ IP67



Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
D2	M22X1	M26X1	M30X1	M34X1
L	16	17	17	17
L2	21.6	23	23	23
C	5	5	5	5
B	26.8	30.8	34.8	38.8
ød	22	26	30	34
h	20.6	24.6	28.6	32.6

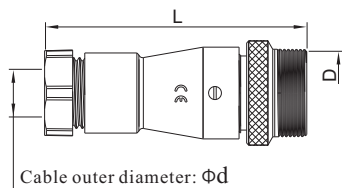
● 2-hole flange receptacle with cap: ZG IP67 (cap IP44)



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ød1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
I	10	10	10	10	15.4	14.7	14.3	14
L	22	23	23	23	34	34	34	34
b	30	35	40	45	55	65	80	85
B	38	44	50	55	67	77	92	98
h	32.5	36.5	40.5	45.5	52.5	63.5	74.5	80
ød	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
ø	3.5	4.5	4.5	4.5	5.5	5.5	5.5	6.5



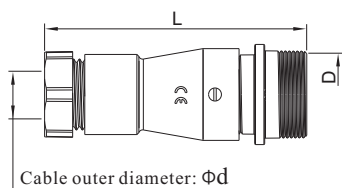
● In-line receptacle with plastic clamping-nut B: ZAB IP65



Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	53.5	65	68	73.5
ϕd	4.5-7	5-12	5-12	6.5-15.5

Optional cap size see P18

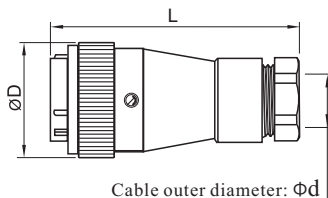
● In-line receptacle with plastic clamping-nut: ZA IP65



Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	89	109	108.5	128
ϕd	8.5-19.5	11.5-24.5	11.5-24.5	15-31

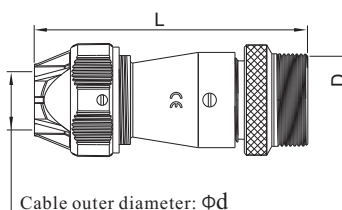
Optional cap size see P18

● Plug with plastic clamping-nut: TA IP65



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ϕD	22	26	30	34.5	39.5	49.5	57	64.5
L	53.5	64	67	73	89.5	100	108.5	127
ϕd	4.5-7	5-12	5-12	6.5-15.5	8.5-19.5	11.5-24.5	11.5-24.5	15-31

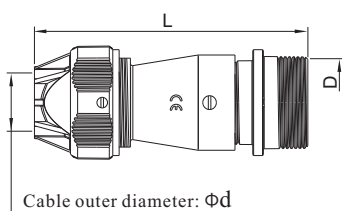
● In-line receptacle with metal clamping-nut B: ZEB IP67



Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	55	63	66.5	70
ϕd	5-6.5	9-10.5	9-10.5	10.5-12.5

Optional cap size see P18

● In-line receptacle with metal clamping-nut: ZE IP67

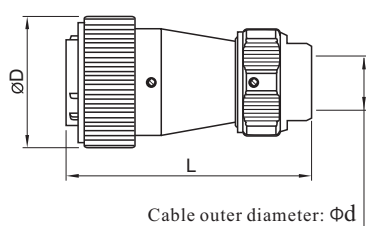


Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	90.5	99.5	108	134.5
ϕd	15.5-17	18-20	I: 18-20(omit) II: 24.5-26	24.5-26

Optional cap size see P18

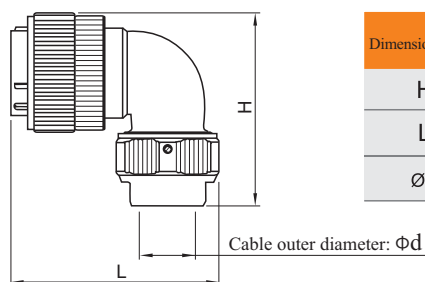


● Plug with metal clamping-nut: TE IP65



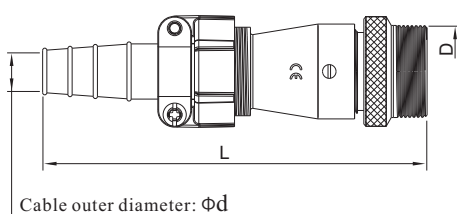
Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ΦD	22	26.2	30	34.5	39.5	49.5	57	64.5
L	54.5	62.5	65	68	88	100	110	131.5
Φd	5-6.5	9-10.5	9-10.5	10.5-12.5	15.5-17	18-20	I: 18-20(omit) II: 24.5-26	24.5-26

● Plug with angled back shell and metal clamping-nut: TU IP65



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
H	43	51	59	57	73.5	85	103	108
L	48	57	59	61	84	90	97	109
Φd	5-6.5	9-10.5	9-10.5	10.5-12.5	15.5-17	18-20	24.5-26	24.5-26

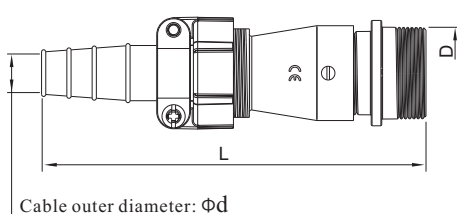
● In-line receptacle with cable clamping plates B: ZIB IP65



Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	73.5	90	93.5	104
Φd	7-8	8-10.5	8-10.5	11.5-13.6

Optional cap size see P18

● In-line receptacle with cable clamping plates: ZI IP65

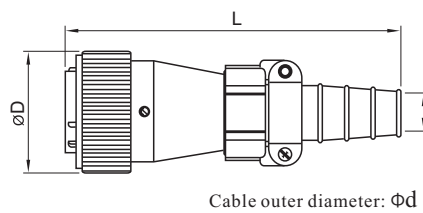


Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	118.5	130	137	163
Φd	13-15.6	15.5-18.8	I: 15.5-18.8(omit) II: 24-28	24-28

Optional cap size see P18

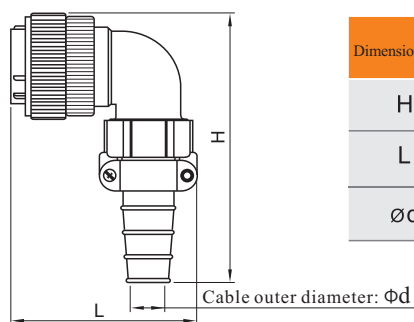


● Plug with cable clamping plates: TI IP65



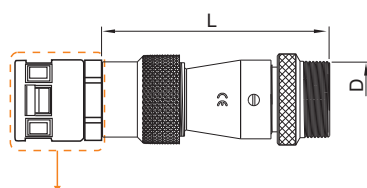
Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ΦD	22	26	30	34.5	39.5	49.5	57	64.5
L	72.5	87	92	100.5	118.5	130.5	140	163
Φd	7-8	8-10.5	8-10.5	11.5-13.6	13-15.6	15.5-18.8	I: 15.5-18.8(omit) II: 24-28	24-28

● Plug with angled back shell and cable clamping plates: TV IP65



Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
H	60	80	80	88.5	96	115	127	140
L	49.5	56.5	58	61	82.5	90	98	108
Φd	7-8	8-10.5	8-10.5	11.5-13.6	13-15.6	15.5-18.8	24-28	24-28

● In-line receptacle for plastic-hose B: ZNB IP55

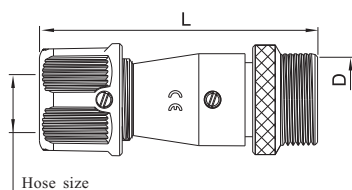


Optional plastic hose adapter

Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	54.5	64	67	73
Adapter size	PG7	PG11	PG11	PG16
model of plastic hose adapter	WQG-PG7(B)	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)
Hose size	AD10	AD15.8	AD15.8	AD21.2

Optional cap size see P18

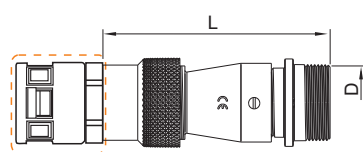
● In-line receptacle for PA-hose B: ZHB IP65



Dimension(mm)	WF16	WF20	WF24	WF28
D	M18X1	M22X1	M26X1	M30X1
L	52	62.5	66.5	70
Hose size	AD10	AD15.8	AD15.8	AD21.2



● In-line receptacle for plastic-hose: ZN IP55

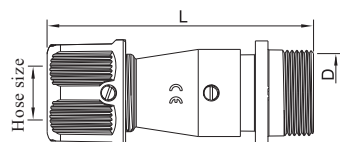


Optional plastic hose adapter

Dimension(mm)	WF32	WF40	WF48	WF55
D	M35X1.5	M44X1.5	M52X1.5	M59X1.5
L	86.5	95	104	120
Adapter size	PG21	PG29	I: PG29(omit) II: PG36	PG36
model of plastic hose adapter	WQG-PG21(B)	WQG-PG29(B)	I: WQG-PG29(B) II: WQG-PG36(B)	WQG-PG36(B)
Hose size	AD28.5	AD34.5	I: AD34.5(omit) II: AD42.5	AD42.5

Optional cap size see P18

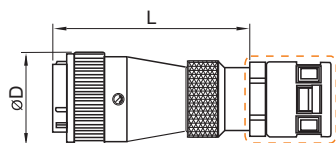
● In-line receptacle for PA-hose: ZH IP65



Dimension(mm)	WF16	WF20	WF24	WF28
D	M12X1	M22X1	M26X1	M30X1
L	54	62	66	70
Hose size	AD10	AD15.8	AD15.8	AD21.2

Optional cap size see P18

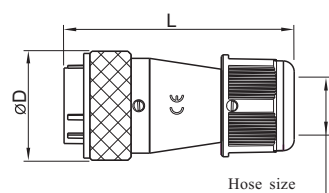
● Plug for plastic-hose: TN IP55



Optional plastic hose adapter

Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
ØD	22	26	30	34.5	39.5	49.5	57	64.5
L	54	62.5	66.5	72.5	87.5	95	105	118
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	I: PG29(omit) II: PG36	PG36
model of plastic hose adapter	WQG-PG7(B)	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)	WQG-PG21(B)	WQG-PG29(B)	I: WQG-PG29(B) II: WQG-PG36(B)	WQG-PG36(B)
Hose size	AD10	AD15.8	AD15.8	AD21.2	AD28.5	AD34.5	I: AD34.5(omit) II: AD42.5	AD42.5

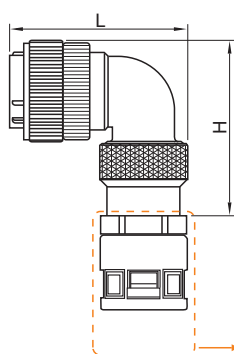
● Plug for PA-hose: TH IP65



Dimension(mm)	WF16	WF20	WF24	WF28
D	22	26.5	30	34.4
L	51	62.5	65.5	68.5
Hose size	AD10	AD15.8	AD15.8	AD21.2



● Plug with angled back shell for plastic-hose: TW IP55

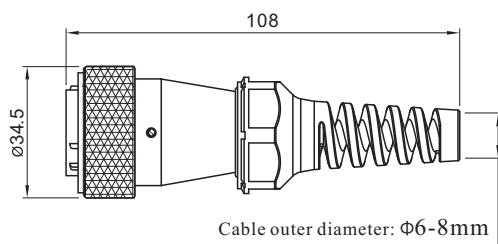


Dimension(mm)	WF16	WF20	WF24	WF28	WF32	WF40	WF48	WF55
H	42	53.5	54.5	60	67	80	89.5	95
L	47	56.5	57.5	61	82	88.5	95	106
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	PG29	PG36
model of plastic hose adapter	WQG-PG7(B)	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)	WQG-PG21(B)	WQG-PG29(B)	WQG-PG29(B)	WQG-PG36(B)
Hose size	AD10	AD15.8	AD15.8	AD21.2	AD28.5	AD34.5	AD34.5	AD42.5

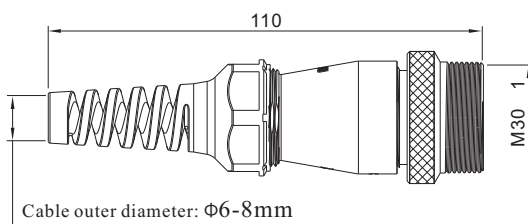
→ Optional plastic hose adapter



● Plug with strain relief: TX IP67



● In-line receptacle with anti-bending sleeve B: ZXB IP67



★ It can be produced 28 models, other models are customizable

Solder contact spec

★ Crimp contact spec see P20

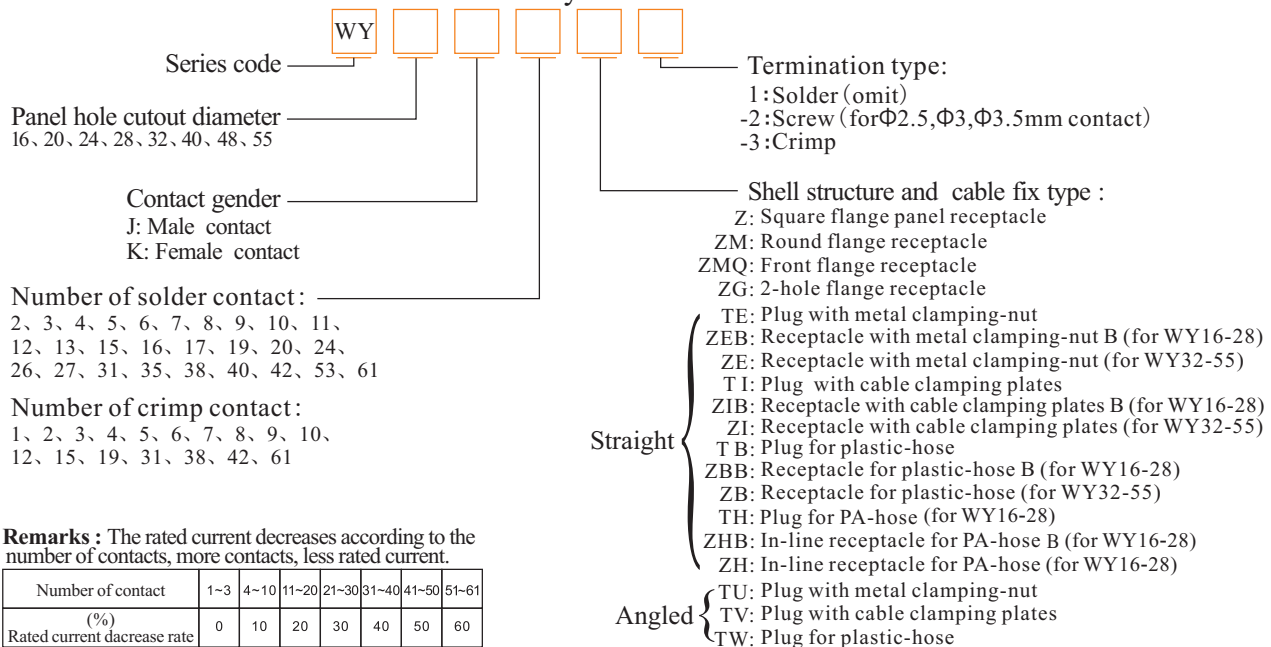
★ Screw contact spec see P21

WF28	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	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	≤4/11	≤4/11	≤4/11	≤16/5 ≤0.75/18	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤2/14	≤0.75/18	≤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	/	/	/	/	/	/	/	/

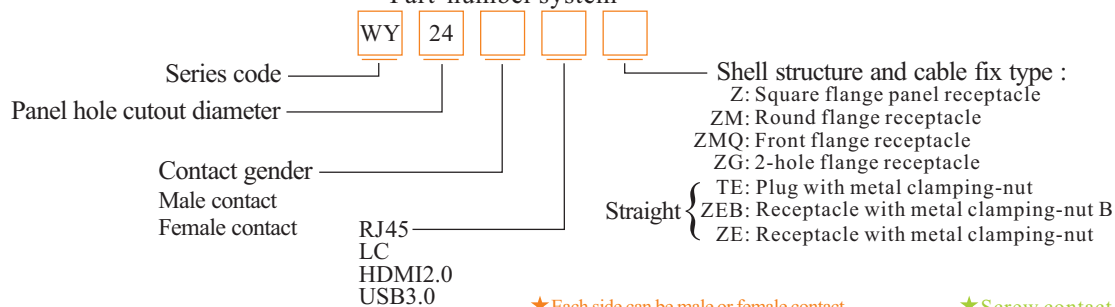


● WY Series

Part number system



Part number system



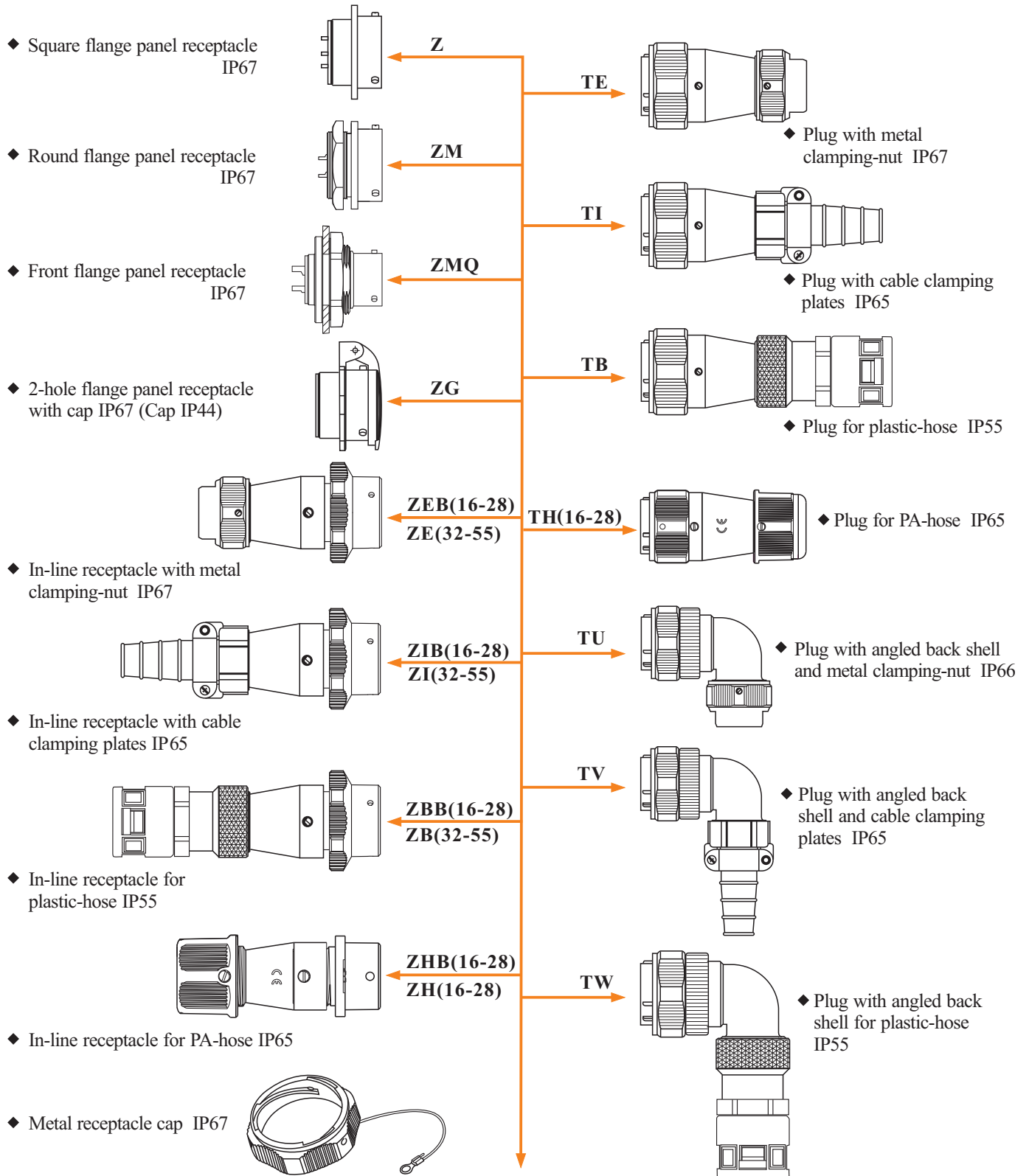
★ Each side can be male or female contact
★ Solder contact spec see page P19

★ Screw contact spec see P21
★ Crimp contact spec see P20

Material and spec

Coupling	Bayonet
Shell material	Zinc alloy with chrome plating
Insert material	PPS, max temperature 260 °C
Contact material	Brass with gold plating
Termination	Solder: $\Phi 0.7, \Phi 1, \Phi 1.5, \Phi 1.6, \Phi 2.5, \Phi 3.5, \Phi 5.5$ mm; Screw: $\Phi 2.5, \Phi 3, \Phi 3.5$ mm; Crimp: $\Phi 1, \Phi 1.5, \Phi 2.5, \Phi 3.5, \Phi 5.5, \Phi 10$ mm
Mating cycle	500 USB:1500
Temperature range	-40°C ~ +85°C; Signal, Data: -20°C ~ +70°C

WY Series Mating diagram



★ IP rating marked is for after mated or with cap.

★ Each side can be male or female contact
★ Solder contact spec see page P19

★ Screw contact spec see P21
★ Crimp contact spec see P20

WY12 Series

NEW

WY
12



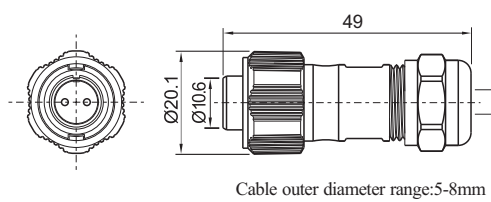
WY12J-TE WY12K-TE

Male contact

Number of contact
Female contact

Cable connector

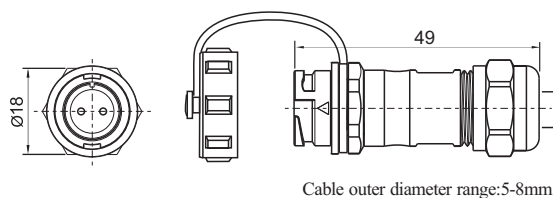
Mate with WY12-Z, WY12-ZM,
WY12-ZMQ, WY12-ZE



WY12J-ZE WY12K-ZE

In-line cable connector

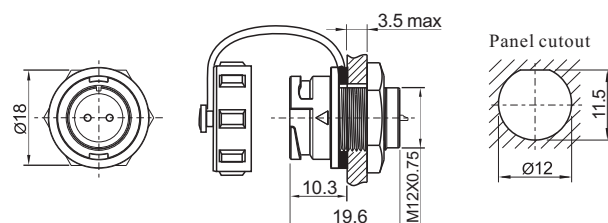
Mate with WY12-TE



WY12J-ZM WY12K-ZM

Rear-nut mount

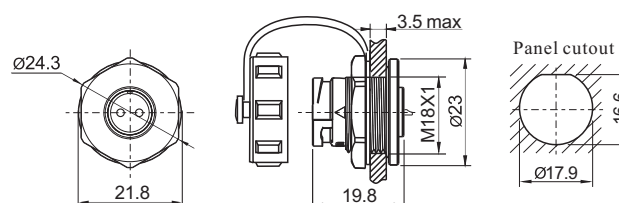
Mate with WY12-TE



WY12J-ZMQ WY12K-ZMQ

Front-nut mount

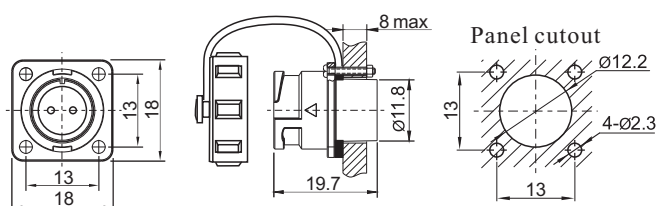
Mate with WY12-TE



WY12J-Z WY12K-Z

Square flange

Mate with WY12-TE



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	2	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

WY24 Series

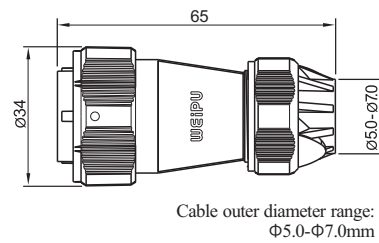


WY24
Signal Data



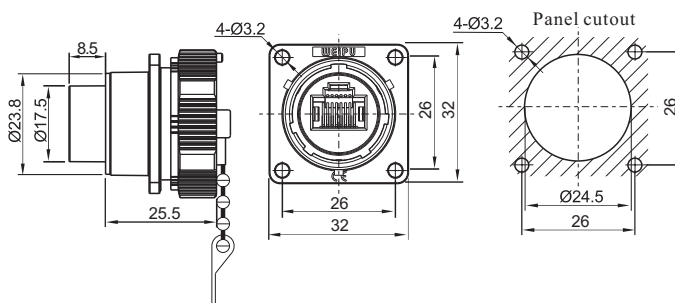
Plug with metal clamping-nut
Mate with WY24KRJ45Z

WY24JRJ45TE



Square flange receptacle
Mate with WY24JRJ45TE

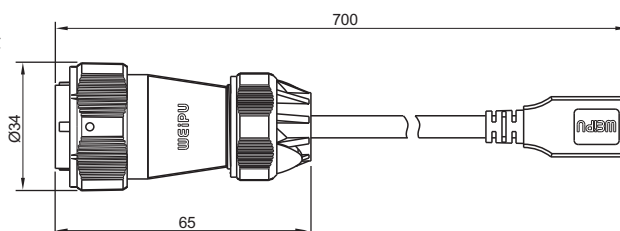
WY24KRJ45Z



Plug with metal clamping-nut
Mate with WY24KUSB3.0Z

WY24JUSB3.0TE-

Cable length:
0.5m
1.0m
1.5m
2.0m
3.0m

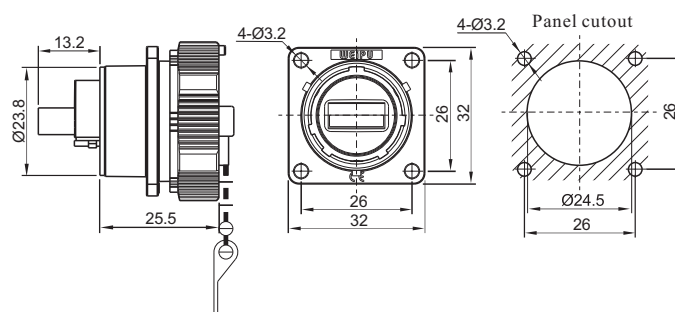


★ The cable length can be customized, but not more than 3 meters.



Square flange receptacle
Mate with WY24JUSB3.0TE

WY24KUSB3.0Z





WY24 Series

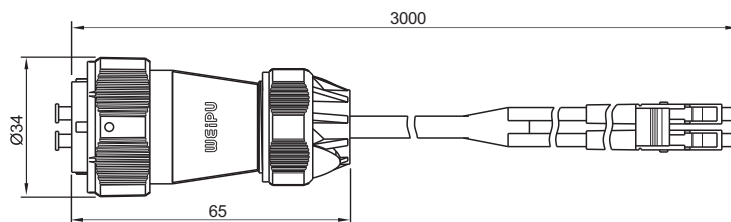
WY24
Signal Data



Plug with metal clamping-nut
Mate with WY24KLCZ

WY24JLCTE-

Cable length:
0.5m
1.0m
1.5m
2.0m
3.0m

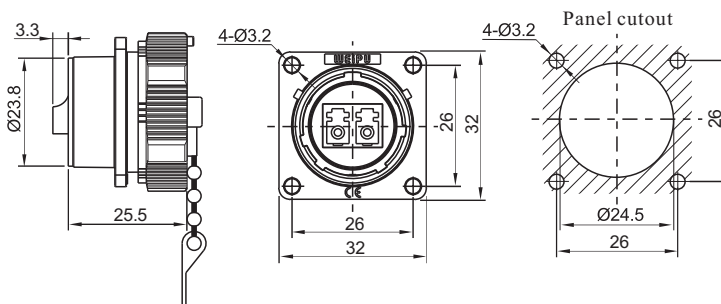


★ Cable length can be customized



WY24KLCZ

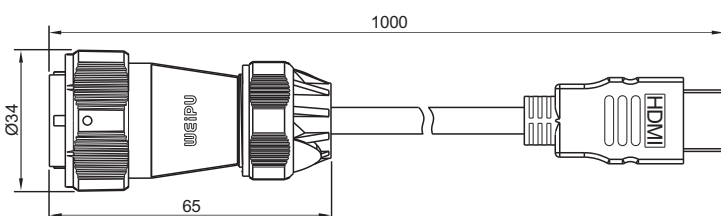
Square flange receptacle
Mate with WY24JLCTE



Plug with metal clamping-nut
Mate with WY24KHDMI2.0Z

WY24JHDMI2.0TE-

Cable length:
0.5m
1.0m
1.5m
2.0m
3.0m

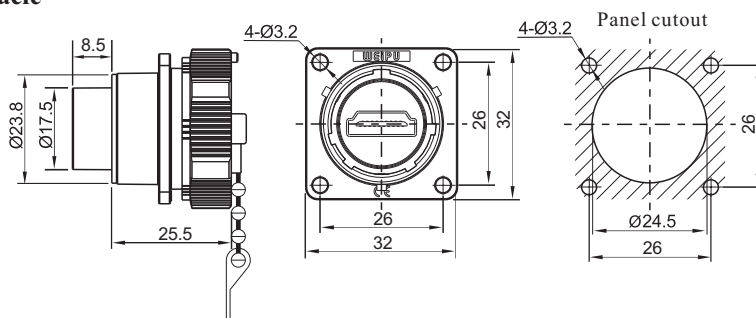


★ The cable length can be customized, but not more than 5 meters.



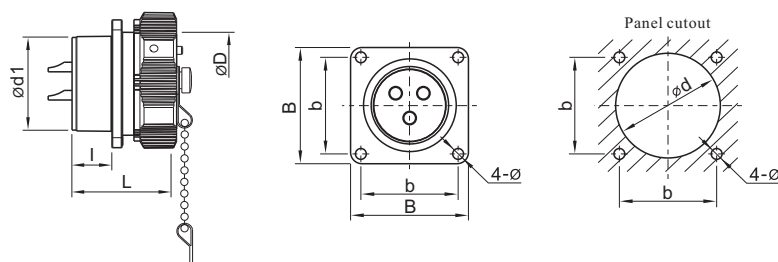
WY24KHDMI2.0Z

Square flange receptacle
Mate with WY24JHDMI2.0TE



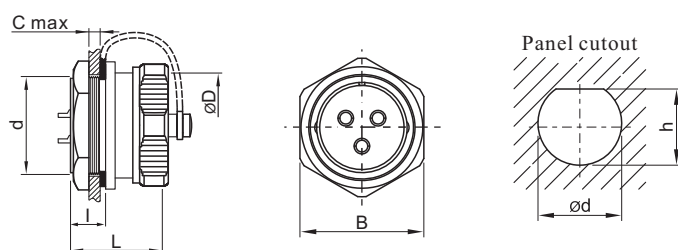


● Square flange panel receptacle: Z IP67



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
d1	15.8	19.8	23.8	27.8	31.8	40	47.8	54.8
D	18	22	26	30	35	44	52	58
l	9.7	10	10	10	14.4	14.2	14.2	14
L	21.6	23	23	23	34	34	34	34
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
d	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
Ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

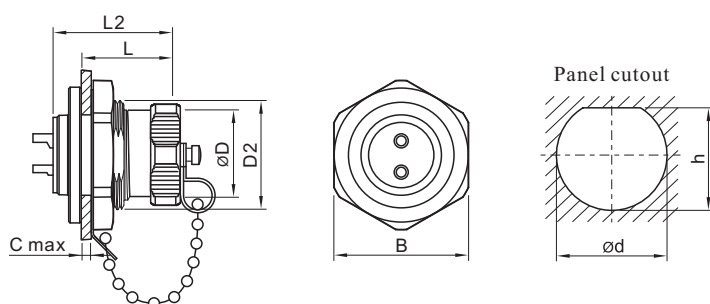
● Round flange panel receptacle: ZM IP67



Dimension(mm)	WY16	WY20	WY24	WY28
d	M16X1	M20X1	M24X1	M28X1
D	18	22	26	30
C	5	5	5	5
l	9.7	9.9	10	10.2
L	22	23	23	23
B	21.2	25.5	29.2	33.3
Ød	15.9	19.7	23.7	27.7
h	15.3	19.3	23.2	26.9

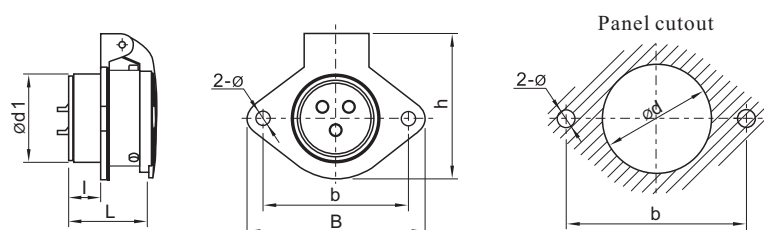


● Front-nut-mount receptacle: ZMQ IP67



Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
D2	M22X1	M26X1	M30X1	M34X1
L	16	17	17	17
L2	21.6	23	23	23
C	5	5	5	5
B	26.8	30.8	34.8	38.8
ød	22	26	30	34
h	20.6	24.6	28.6	32.6

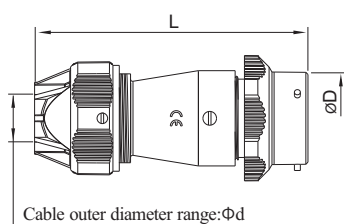
● 2-hole flange panel receptacle with cap: ZG IP67 (Cap IP44)



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
d1	15.8	19.8	23.8	27.8	31.8	39.8	47.8	54.8
d	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
l	10	10	10	10	15.4	14.7	14.3	14
L	22	23	23	23	34	34	34	34
b	30	35	40	45	55	65	80	85
B	38	44	50	55	67	77	92	98
h	32.5	36.5	40.5	45.5	52.5	63.5	74.5	80
ø	3.5	4.5	4.5	4.5	5.5	5.5	5.5	6.5



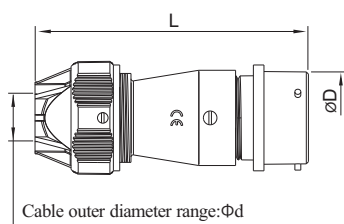
● In-line receptacle with metal clamping-nut B: ZEB IP67



Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	55	63	66.5	70
Ød	5-6.5	9-10.5	9-10.5	10.5-12.5

Optional cap size see P18

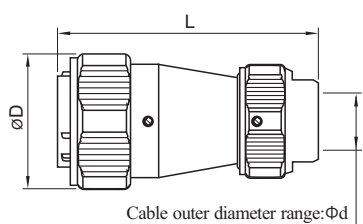
● In-line receptacle with metal clamping-nut: ZE IP67



Dimension(mm)	WY32	WY40	WY48	WY55
D	35	44	52	58
L	90.5	103.5	108	131.6
Ød	15.5-17	18-20	I: 18-20(omit) II: 24.5-26	24.5-26

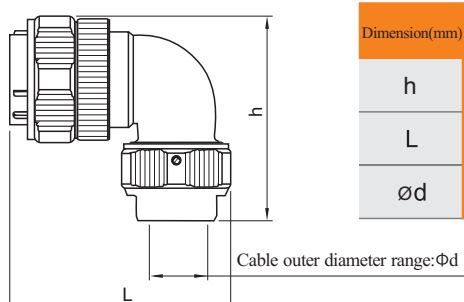
Optional cap size see P18

● Plug with metal clamping-nut: TE IP67



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	25	29.5	34	38.5	44.5	54	62	68.5
L	54.5	62.5	65	68	88	100	110	131.5
Ød	5-6.5	9-10.5	9-10.5	10.5-12.5	15.5-17	18-20	I: 18-20(omit) II: 24.5-26	24.5-26

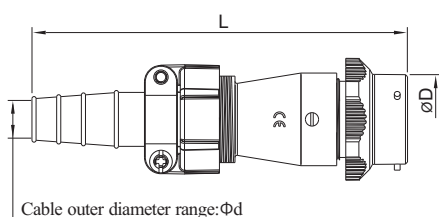
● Plug with angled back shell and metal clamping-nut: TU IP66



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
h	43	53	54	58	72	88	103	110.5
L	48	57	59	61	84	90	97	109
Ød	5-6.5	9-10.5	9-10.5	10.5-12.5	15.5-17	18-20	24.5-26	24.5-26



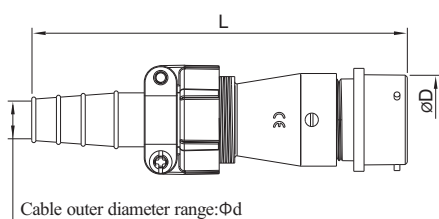
● In-line receptacle with cable clamping plates B: ZIB IP65



Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	73	88	92	101
Ød	7-8	8-10.5	8-10.5	11.5-13.6

Optional cap size see P18

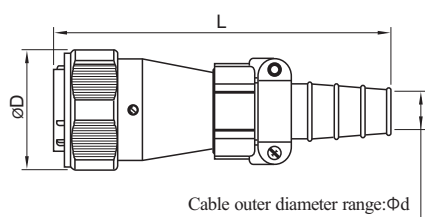
● In-line receptacle with cable clamping plates: ZI IP65



Dimension(mm)	WY32	WY40	WY48	WY55
D	35	44	52	58
L	119	130	137	165
Ød	13-15.6	15.5-18.8	I:15.5-18.8(omit) II:24-28	24-28

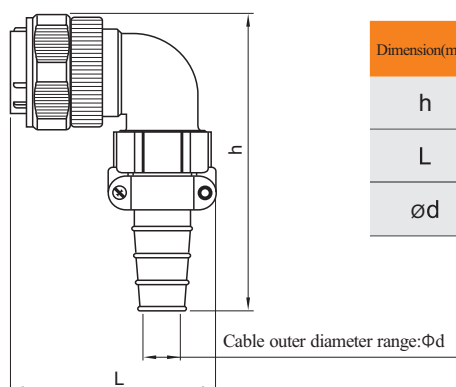
Optional cap size see P18

● Plug with cable clamping plates: TI IP65



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	25	29.5	34	38.5	44.5	54	62	68.5
L	72.5	87	92	100.5	48.5	130.5	140	163
Ød	7-8	8-10.5	8-10.5	11.5-13.6	13-15.6	15.5-18.8	I:15.5-18.8(omit) II:24-28	24-28

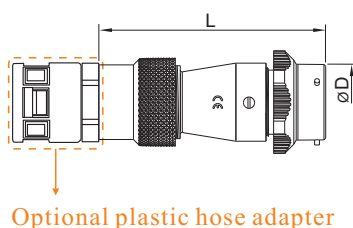
● Plug with angled back shell and cable clamping plates: TV IP65



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
h	60	80	80	93	103	118	137	140
L	49.5	56.5	58	61	82.5	90	98	108
Ød	7-8	8-10.5	8-10.5	11.5-13.6	13-15.6	15.5-18.8	24-28	24-28



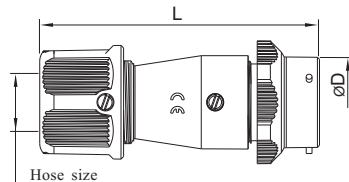
● In-line receptacle for plastic-hose B: ZBB IP55



Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	54.5	64	67	73
Adapter size	PG7	PG11	PG11	PG16
model of plastic hose adapter	WQG-PG7(B)	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)
Hose size	AD10	AD15.8	AD15.8	AD21.2

Optional cap size see P18

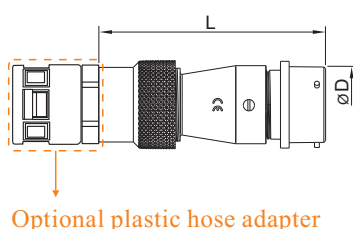
● In-line receptacle for PA-hose: ZHB IP65



Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	52	62.5	66.5	70
Hose size	AD10	AD15.8	AD15.8	AD21.2

Optional cap size see P18

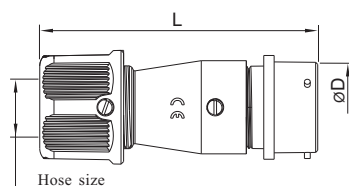
● In-line receptacle for plastic-hose: ZB IP55



Dimension(mm)	WY32	WY40	WY48	WY55
D	35	44	52	58
L	86.5	95	104	120
Adapter size	PG21	PG29	I: PG29(omit) II: PG36	PG36
model of plastic hose adapter	WQG-PG21(B)	WQG-PG29(B)	I: WQG-PG29(B) II: WQG-PG36(B)	WQG-PG36(B)
Hose size	AD28.5	AD34.5	I: AD34.5(omit) II: AD42.5	AD42.5

Optional cap size see P18

● In-line receptacle for PA-hose: ZH IP65

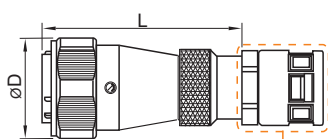


Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	54	64	66	70
Hose size	AD10	AD15.8	AD15.8	AD21.2

Optional cap size see P18



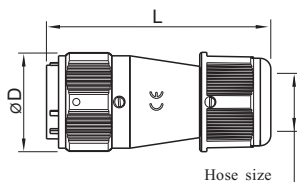
● Plug for plastic-hose: TB IP55



Optional plastic hose adapter

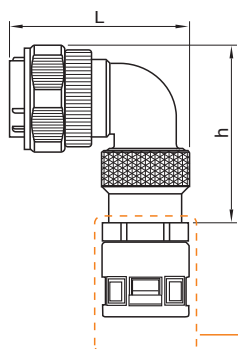
Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	25	29.5	34	38.5	44.5	54	91	96.5
L	54	62.5	66.5	72.5	87.5	95	105	118
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	I:PG29(omit) II:PG36	PG36
model of plastic hose adapter	WQG-PG7(B)	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)	WQG-PG21(B)	WQG-PG29(B)	I:WQG-PG29(B) II:WQG-PG36(B)	WQG-PG36(B)
Hose size	AD10	AD15.8	AD15.8	AD21.2	AD28.5	AD34.5	I:AD34.5(omit) II:AD42.5	AD42.5

● Plug for PA-hose: TH IP65



Dimension(mm)	WY16	WY20	WY24	WY28
D	25	29.6	34	38
L	51	62.5	65.5	68.5
Hose size	AD10	AD15.8	AD15.8	AD21.2

● Plug with angled back shell for plastic-hose: TW IP55

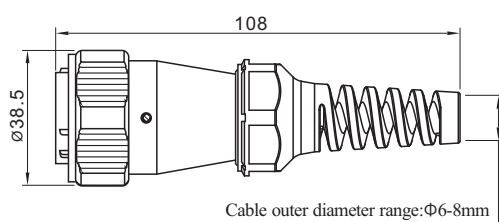


Optional plastic hose adapter

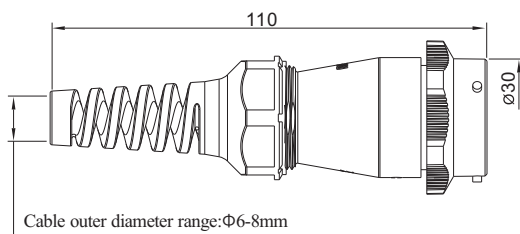
Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
h	44.5	53.5	55	61	70	83	91	96.5
L	47	56.5	57.5	61	82	88.5	95	106
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	PG29	PG36
model of plastic hose adapter	WQG-PG7(B)	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)	WQG-PG21(B)	WQG-PG29(B)	WQG-PG29(B)	WQG-PG36(B)
Hose size	AD10	AD15.8	AD15.8	AD21.2	AD28.5	AD34.5	AD42.5	AD42.5



● Plug with strain relief: TX IP67



● In-line receptacle with strain relief B: ZXB IP67



★ It can be produced 28 modle,other models are customizabl

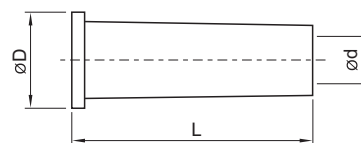
Solder contact spec

★ Crimp contact spec see P20

★ Screw contact spec see P21

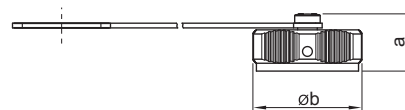
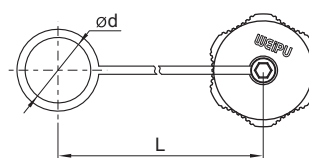
WY28	2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Male contact face view																
Rated current (A)	50	50	25	25	25	60、5	25、5	25	10	10	10	10	5	5	5	5
Contact diameter(mm)	Ø3.5X2	Ø3.5X3	Ø2.5X4	Ø2.5X7	Ø2.5X8	Ø5X2 Ø1X6	Ø2.5X4 Ø1X5	Ø2.5X10	Ø1.5X10	Ø1.5X12	Ø1.5X16	Ø1.5X17	Ø1X20	Ø1X24	Ø1X26	Ø1X35
Rated 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 (mm²/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	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18
Wire size for screw termination (mm²/AWG)	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	/	/	≤1.5/15	/	/	/	/	/	/	/	/

● PVC cable protection sleeve for WS series



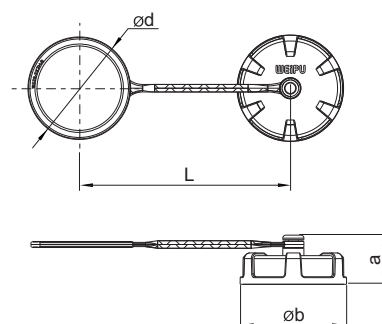
Dimension(mm)	WS16	WS20	WS24	WS28	WS32	WS40	WS48	WS55
D	12.5	16	16.5	19	25	30	30	36
L	30	38	38	38	51	53	53	59
d	6	6	6	7	13	17.8	17.8	23

● Metal receptacle cover for WY series IP67

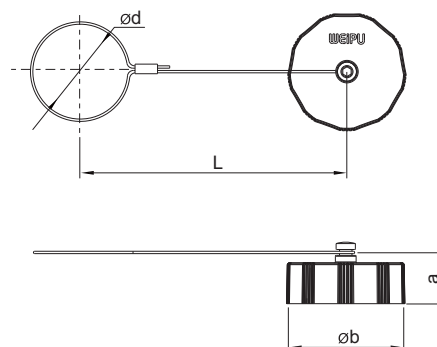


Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
a	13.5	14.5	14.5	14.5	17	17	17	17
b	20	29.5	34	38.5	44	54	62	68.5
d	16	20	24	28	32	40	48	55
L	55	60	65	70	90	100	110	120

● Plastic receptacle cover for WS and WF series



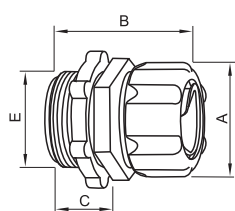
Dimension(mm)	WS/WF16	WS/WF20	WS/WF24	WS/WF28
a	15.1	15.8	16.3	16.3
b	22.1	26.7	30.9	35.3
d	22	26.7	30.9	34
L	55	60	63	70



Dimension(mm)	WS/WF32	WS/WF40	WS/WF48	WS/WF55
a	20	20	20	20
b	39	48	55.5	62.5
d	32	40	48	55
L	90	100	110	120

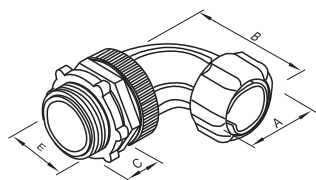


● Metal hose adapter



Part No.	WAB-16	WAB-20	WAB-24	WAB-30	WAB-36
Dimension(mm)					
A	19.6	24.8	29.1	35.7	41.8
B	26.7	33.3	37	37.9	41.5
C	9	14	15	16	17
E	16	20	24	30	36
hose size	1/4"	3/8"	1/2"	3/4"	1"
Thread	M16X1.5	M20X1.5	M24X1.5	M30X2	M36X2

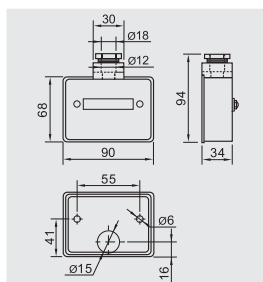
● Angled metal hose adapter



Part No.	WAL-20	WAL-24	WAL-30	WAL-36
Dimension(mm)				
A	24.8	29.1	35.7	41.8
B	48.5	53	59	70
C	14	15	16	17
E	20	24	30	36
hose size	3/8"	1/2"	3/4"	1"
Thread	M20X1.5	M24X1.5	M30X2	M36X2



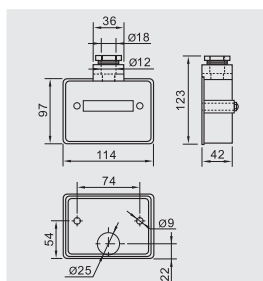
● Junction-box



Rated A	Part No.TYP	Terminal P	Weight(g/pcs)
15A	6005	3P+⊕	120

Junction-box

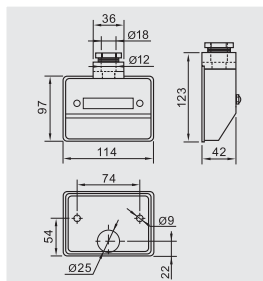
Bottom hole
Upper hole (with cable tightening fittings)
Electric Inlet
Min conducting wire section mm² 1.5
Max conducting wire section mm² 4



Rated A	Part No.TYP	Terminal P	Weight(g/pcs)
30A	6003	3P+N+⊕	230

Junction-box

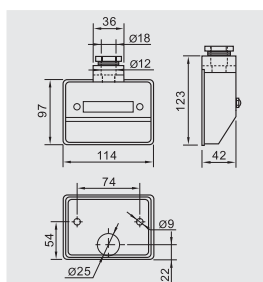
Bottom hole
Upper hole (with cable tightening fittings)
Electric Inlet
Min conducting wire section mm² 2.5
Max conducting wire section mm² 10



Rated A	Part No.TYP	Terminal P	Weight(g/pcs)
30A	6004	3P+N+⊕	200

Junction-box

Bottom hole
Upper hole (with cable tightening fittings)
Electric Inlet
Min conducting wire section mm² 2.5
Max conducting wire section mm² 10



Rated A	Part No.TYP	Terminal P	Weight(g/pcs)
63A	6006	3P+N+⊕	248

Junction-box

Bottom hole
Upper hole (with cable tightening fittings)
Electric Inlet
Min conducting wire section mm² 10
Max conducting wire section mm² 25

Solder contact spec

WS16, WF16, WY16	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
Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/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

WS20, WF20, WY20	2	3	4	5	6	6B	7	8	9	12	15
Male contact face view											
Rated current (A)	25	25	25	10	5 25	5 30	10	10	5	5	5
Contact diameter(mm)	Ø2.5 2	Ø2.5 3	Ø2.5 4	Ø1.5 5	Ø1X2 Ø2.5X4	Ø1X4 Ø3X2	Ø1.5 7	Ø1.5 8	Ø1 9	Ø1 12	Ø1 15
Rated voltage (AC.V)	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	1200	1200	1200
Contact resistance(mΩ)	1	1	1	2.5	5 1	5 1	2.5	2.5	5	5	5
Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/AWG)	≤4/11	≤4/11	≤4/11	≤2/14	≤0.75/18 ≤4/11	≤0.75/18 ≤4/11	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18

WS24, WF24, WY24	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
Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/AWG)	≤4/11	≤4/11	≤4/11	≤0.75/18 ≤4/11	≤2/14	≤2/14	≤0.75/18 ≤4/11	≤0.75/18

WS28, WF28, WY28	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
Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/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	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

Solder contact spec

WS32, WF32, WY32	4	6	8	8B	10	10B	11	12	13	19
Male contact face view										
Rated current (A)	50	10 50	10 50	10 50	10 25	25	25	25	10 25	10
Contact diameter(mm)	ø3.5X4	ø1.5X2 ø3.5X4	ø1.5X5 ø3.5X3	ø1.5X4 ø3.5X4	ø1.5X5 ø2.5X5	ø2.5X10	ø2.5X11	ø2.5X12	ø1.5X9 ø2.5X4	ø1.5X19
Rated voltage (AC.V)	500V	500V	500V	500V	500V	500V	500V	500V	500V	500V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V
Contact resistance(mΩ)	0.5	2.5 0.5	2.5 0.5	2.5 0.5	2.5 1	1	1	1	2.5 1	2.5
Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/AWG)	≤10/7	≤2/14 ≤10/7	≤2/14 ≤10/7	≤2/14 ≤10/7	≤2/14 ≤4/11	≤4/11	≤4/11	≤4/11	≤2/14 ≤4/11	≤2/14

WS40, WF40, WY40	5	9	15	26	31	52
Male contact face view						
Rated current (A)	50	25 50	10	10 25	10	5
Contact diameter(mm)	ø3.5X5	ø2.5X5 ø3.5X4	ø1.5X15	ø1.5X22 ø2.5X4	ø1.5X31	ø1X52
Rated voltage (AC.V)	500	500	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1200
Contact resistance(mΩ)	0.5	1 0.5	2.5	2.5、1	2.5	5
Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000
Wire size (mm²/AWG)	≤10/7	≤4/11 ≤10/7	≤2/14	≤2/14 ≤4/11	≤2/14	≤0.75/ 18

WS48, WF48, WY48	5	7	20	27	38	42
Male contact face view						
Rated current (A)	100	50	25	10 25	10 25	10
Contact diameter(mm)	ø5.5X5	ø3.5X7	ø2.5X20	ø1.5X26 ø2.5X1	ø1.5X33 ø2.5X5	ø1.5X42
Rated voltage (AC.V)	500	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.3	0.5	1	2.5、1	2.5、1	2.5
Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000
Wire size (mm²/AWG)	≤25/3	≤10/7	≤4/11	≤2/14 ≤4/11	≤2/14 ≤4/11	≤2/14

WS55, WF55, WY55	4	7	40	53	61
Male contact face view					
Rated current (A)	50 150	50 100	10 25	10 25	10
Contact diameter(mm)	ø3.5X1 ø10X3	ø3.5X1 ø5.5X6	ø1.5X25 ø2.5X15	ø1.5X48 ø2.5X5	ø1.5X61
Rated voltage (AC.V)	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.5 0.2	0.5 0.3	2.5 1	2.5 1	2.5
Insulation resistance(mΩ)	2000	2000	2000	2000	2000
Wire size (mm²/AWG)	≤10/7 ≤70/(2/0)	≤10/7 ≤25/3	≤2/14 ≤4/11	≤2/14 ≤4/11	≤2/14

Crimp contact spec

SF16, SA16, SP17, SY17 WS16, WF16, WY16	1 Only for straight type product	2	3	4
Male contact face view				
Rated current (A)	50	10	10	5
Contact diameter(mm)	Ø3.5X1	Ø1.5X2	Ø1.5X3	Ø1X4
Rated voltage (AC.V)	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1200
Contact resistance(mΩ)	0.5	2.5	2.5	5
Insulation resistance(mΩ)	2000	2000	2000	2000

SF20, SA20, SP21, SY21 WS20,WF20, WY20, WP20	1 Only for straight type product	2	3	4	5	7	7B	8
Male contact face view								
Rated current (A)	100	25	25	25	10	10	5	5
Contact diameter(mm)	Ø5.5X1	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1.5X5	Ø1.5X7	Ø1X7	Ø1X8
Rated voltage (AC.V)	500	500	500	500	500	500	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1200	1200
Contact resistance(mΩ)	0.3	1	1	1	2.5	2.5	5	5
Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000	2000

WS24, WF24, WY24 SF24, SA24, SY24, SP24	4	5	9	12
Male contact face view				
Rated current (A)	25	25	10	5
Contact diameter(mm)	Ø2.5X4	Ø2.5X5	Ø1.5X9	Ø1X12
Rated voltage (AC.V)	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1200
Contact resistance(mΩ)	1	1	2.5	5
Insulation resistance(mΩ)	2000	2000	2000	2000

SA28, SP29, SY29 WS28, WF28, WY28	2	3	7	12	15	19
Male contact face view						
Rated current (A)	50	50	25	10	5	5
Contact diameter(mm)	Ø3.5X2	Ø3.5X3	Ø2.5X7	Ø1.5X12	Ø1X15	Ø1X19
Rated voltage (AC.V)	500	500	500	500	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1200	1200
Contact resistance(mΩ)	0.5	0.5	1	2.5	5	5
Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000

Crimp contact spec

WS32, WF32, WY32	4	6	10	15	19
Male contact face view					
Rated current (A)	50	50 10	25	10	10
Contact diameter(mm)	Ø3.5X4	Ø3.5X4 Ø1.5X2	Ø2.5X10	Ø1.5X15	Ø1.5X19
Rated voltage (AC.V)	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.5	0.5 2.5	1	2.5	2.5
Insulation resistance(mΩ)	2000	2000	2000	2000	2000

WS40, WF40, WY40	5	19	31
Male contact face view			
Rated current (A)	50	25	10
Contact diameter(mm)	Ø3.5X5	Ø2.5X19	Ø1.5X31
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance(mΩ)	0.5	1	2.5
Insulation resistance(mΩ)	2000	2000	2000

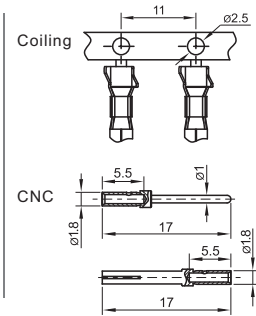
WS48, WF48, WY48	31	42
Male contact face view		
Rated current (A)	25	10
Contact diameter(mm)	Ø2.5X31	Ø1.5X42
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	1	2.5
Insulation resistance(mΩ)	2000	2000

WS55, WF55, WY55	38	61
Male contact face view		
Rated current (A)	25	10
Contact diameter(mm)	Ø2.5X38	Ø1.5X61
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	1	2.5
Insulation resistance(mΩ)	2000	2000

Crimp contact

5A Crimp contact

- ※ Contact diameter: $\Phi 1$
- ※ Material: Brass with gold plating
- ※ Contact resistance: 5m Ω



5A Male crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm ² AWG 24-20	5.5mm	Punching YJ1-17-0.52AU-C CNC YJ1-17-0.52AU	CT-P20/28	RT-1.0

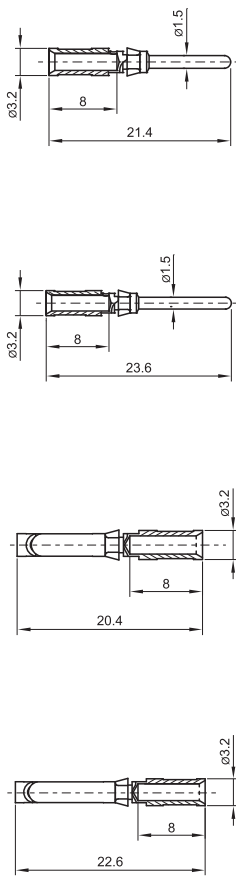
5A Female crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm ² AWG 24-20	5.5mm	Punching YK1-17-0.52AU-C CNC YK1-17-0.52AU	CTW-0.14/4	RT-1.0

10A Crimp contact

- ※ Contact diameter: $\Phi 1.5$
- ※ Material: Brass with gold plating
- ※ Contact resistance: 2.5m Ω



10A Male crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22	8mm	YJ1.5-21.4-0.37AU	CTW-0.14/4	RT-1.5
0.5mm ² AWG 20	8mm	YJ1.5-21.4-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm ² AWG 18	8mm	YJ1.5-21.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16	8mm	YJ1.5-21.4-1.5AU	CTW-0.14/4	RT-1.5
2.5mm ² AWG 14	8mm	YJ1.5-21.4-2.5AU	CTW-0.14/4	RT-1.5

10A Male crimp contact

For WS/WF/WY32-55

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22	8mm	YJ1.5-23.6-0.37AU	CTW-0.14/4	RT-1.5
0.5mm ² AWG 20	8mm	YJ1.5-23.6-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm ² AWG 18	8mm	YJ1.5-23.6-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16	8mm	YJ1.5-23.6-1.5AU	CTW-0.14/4	RT-1.5
2.5mm ² AWG 14	8mm	YJ1.5-23.6-2.5AU	CTW-0.14/4	RT-1.5

10A Female crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22	8mm	YK1.5-20.4-0.37AU	CTW-0.14/4	RT-1.5
0.5mm ² AWG 20	8mm	YK1.5-20.4-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm ² AWG 18	8mm	YK1.5-20.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16	8mm	YK1.5-20.4-1.5AU	CTW-0.14/4	RT-1.5
2.5mm ² AWG 14	8mm	YK1.5-20.4-2.5AU	CTW-0.14/4	RT-1.5

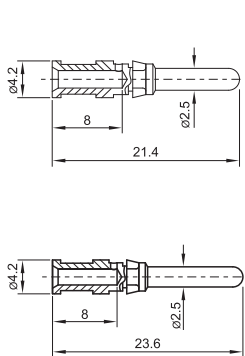
10A Female crimp contact

For WS/WF/WY32-55

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22	8mm	YK1.5-22.6-0.37AU	CTW-0.14/4	RT-1.5
0.5mm ² AWG 20	8mm	YK1.5-22.6-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm ² AWG 18	8mm	YK1.5-22.6-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16	8mm	YK1.5-22.6-1.5AU	CTW-0.14/4	RT-1.5
2.5mm ² AWG 14	8mm	YK1.5-22.6-2.5AU	CTW-0.14/4	RT-1.5

25A Crimp contact

- ※ Contact diameter: $\Phi 2.5$
- ※ Material: Brass with gold plating
- ※ Contact resistance: 1m Ω



25A Male crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18	8mm	YJ2.5-21.4-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16	8mm	YJ2.5-21.4-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14	8mm	YJ2.5-21.4-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12	8mm	YJ2.5-21.4-4.0AU	CTW-0.14/4	RT-2.5

25A Male crimp contact

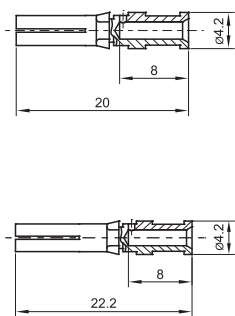
For WS/WF/WY32-55

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18	8mm	YJ2.5-23.6-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16	8mm	YJ2.5-23.6-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14	8mm	YJ2.5-23.6-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12	8mm	YJ2.5-23.6-4.0AU	CTW-0.14/4	RT-2.5

Crimp contact

25A Crimp contact

- ※ Contact diameter: Φ2.5
- ※ Material: Brass with gold plating
- ※ Contact resistance: 1mΩ



25A Female crimp contact

For SF, SA, SP, SY, WP, WS/WF/WY16-28

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18	8mm	YK2.5-20-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16	8mm	YK2.5-20-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14	8mm	YK2.5-20-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12	8mm	YK2.5-20-4.0AU	CTW-0.14/4	RT-2.5

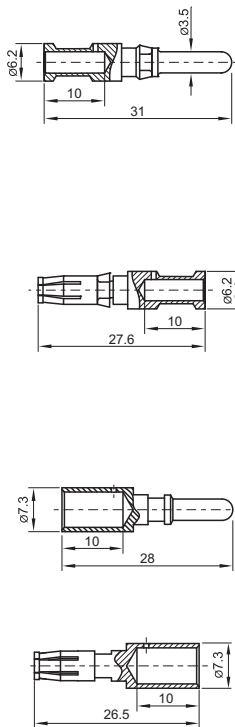
25A Female crimp contact

For WS/WF/WY32-55

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18	8mm	YK2.5-22.2-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16	8mm	YK2.5-22.2-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14	8mm	YK2.5-22.2-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12	8mm	YK2.5-22.2-4.0AU	CTW-0.14/4	RT-2.5

50A Crimp contact

- ※ Contact diameter: Φ3.5
- ※ Material: copper
- ※ Contact resistance: 0.5mΩ



50A Male crimp contact

For WS/WF/WY32-55

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
1.5mm ² AWG 16	10mm	YJ3.5-31-1.5AU	CT-0.14/4	RT-3.5
2.5mm ² AWG 14	10mm	YJ3.5-31-2.5AU	CT-0.14/4	RT-3.5
4.0mm ² AWG 12	10mm	YJ3.5-31-4.0AU	CT-0.14/4	RT-3.5
6.0mm ² AWG 10	10mm	YJ3.5-31-6.0AU	CT-4/10	RT-3.5
10.0mm ² AWG 7	10mm	YJ3.5-31-10.0AU	CT-4/10	RT-3.5

50A Female crimp contact

For WS/WF/WY32-55

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
1.5mm ² AWG 16	10mm	YK3.5-27.6-1.5AU	CT-0.14/4	RT-3.5
2.5mm ² AWG 14	10mm	YK3.5-27.6-2.5AU	CT-0.14/4	RT-3.5
4.0mm ² AWG 12	10mm	YK3.5-27.6-4.0AU	CT-0.14/4	RT-3.5
6.0mm ² AWG 10	10mm	YK3.5-27.6-6.0AU	CT-4/10	RT-3.5
10.0mm ² AWG 7	10mm	YK3.5-27.6-10.0AU	CT-4/10	RT-3.5

50A Male crimp contact

For 2 & 3 pins of SP29, SY29, SA28, WS/WF/WY28

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
10mm ² AWG 7	10mm	YJ3.5-28-10.0AU	CT-4/10	RT-3.5
16mm ² AWG 5	10mm	YJ3.5-28.5-16.0AU	YQK-70	RT-3.5

50A Female crimp contact

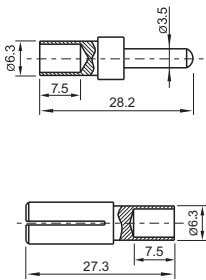
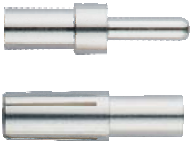
For 2 & 3 pins of SP29, SY29, SA28, WS/WF/WY28

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
10mm ² AWG 7	10mm	YK3.5-26.5-10.0AU	CT-4/10	RT-3.5
16mm ² AWG 5	10mm	YK3.5-26.5-16.0AU	YQK-70	RT-3.5

Crimp contact

50A Crimp contact

- ※ Contact diameter: Φ3.5
- ※ Material: Brass with silver plating
- ※ Contact resistance: 0.5mΩ



50A Male crimp contact

For WS/WF/WY16/SY17/SP17/SA16/SF16

Wire size		Stripping length	Crimping tool p/n
10.0mm ²	AWG 7	10mm	YQK-70

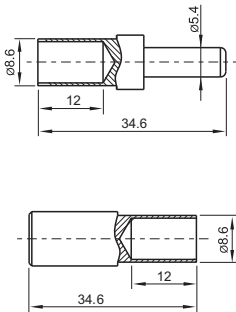
50A Female crimp contact

For WS/WF/WY16/SY17/SP17/SA16/SF16

Wire size		Stripping length	Crimping tool p/n
10.0mm ²	AWG 7	10mm	YQK-70

100A Crimp contact

- ※ Contact diameter: Φ5.5
- ※ Material: Brass with silver plating
- ※ Contact resistance: 0.3mΩ



100A Male crimp contact

For WS/WF/WY20/SP21/SY21/SA20/SF20/SP20

Wire size		Stripping length	Crimping tool p/n
25mm ²	AWG 3	10mm	YQK-70

100A Female crimp contact

For WS/WF/WY20/SP21/SY21/SA20/SF20/SP20

Wire size		Stripping length	Crimping tool p/n
25mm ²	AWG 3	10mm	YQK-70

Crimp tool

For crimping the male / female contacts



Part number	Crimping wire range
YQK-70	4-70mm ² AWG 11-2/0

Crimp tool and Removal tool

Crimp tool

For crimping the male / female contacts



Part number	Crimping wire range
CT-P20/28	0.08-0.52mm ² AWG 28-20
CTW-0.14/4	0.14-4mm ² AWG 26-12

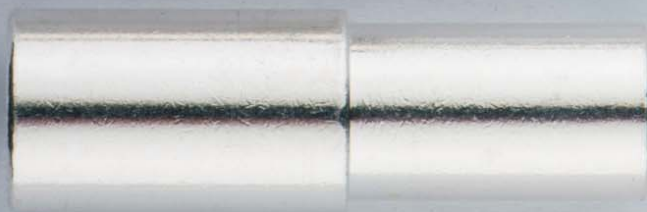
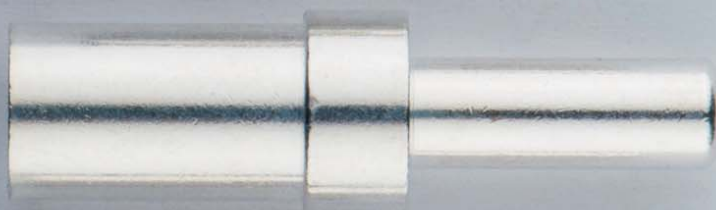
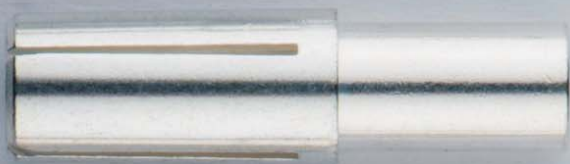
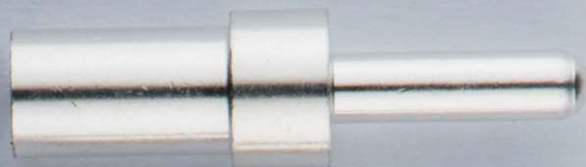
Part number	Crimping wire range
CT-4/10	4-10mm ² AWG 11-7
CT-0.14/4	0.14-4mm ² AWG 26-12

Removal tool

For taking out male / female contacts



Part number	Removal range
RT-1.0	5A Male / Female crimp contact
RT-1.5	10A Male / Female crimp contact
RT-2.5	25A Male / Female crimp contact
RT-3.5	50A Male / Female crimp contact



Screw contact spec

SF20, SA20, WS20, WF20, WY20	2	3	4
Male contact face view			
Rated current (A)	10	10	10
Contact diameter(mm)	ø2.5X2	ø2.5X3	ø2.5X4
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance(mΩ)	1	1	1
Wire size (mm²/AWG)	≤1.5/15	≤1.5/15	≤1.5/15

SP21, SY21, WP20	2	3	4	5
Male contact face view				
Rated current (A)	10	10	10	10
Contact diameter(mm)	ø3 2	ø3 3	ø3 4	ø3 5
Rated voltage (AC.V)	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500
Contact resistance(mΩ)	1	1	1	1
Wire size (mm²/AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15

WS24, WF24, WY24 SA24, SF24, SP25, SY25	2	3	4
Male contact face view			
Rated current (A)	10	10	10
Contact diameter(mm)	ø2.5X2	ø2.5X3	ø2.5X4
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance(mΩ)	1	1	1
Wire size (mm²/AWG)	≤1.5/15	≤1.5/15	≤1.5/15

SA28, SP29, SY29 WS28, WF28, WY28	2	3	4	7	8	10
Male contact face view						
Rated current (A)	32	32	10	10	10	10
Contact diameter(mm)	ø3.5X2	ø3.5X3	ø2.5X4	ø2.5X7	ø2.5X8	ø2.5X10
Rated voltage (AC.V)	500	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.5	0.5	1	1	1	1
Wire size (mm²/AWG)	≤6/10	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15

Screw contact spec

WS32, WF32, WY32	4	10B	11	12
Male contact face view				
Rated current (A)	32	10	10	10
Contact diameter(mm)	Ø3.5X4	Ø2.5X10	Ø2.5X11	Ø2.5X12
Rated voltage (AC.V)	500V	500V	500V	500V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V
Contact resistance(mΩ)	0.5	1	1	1
Insulation resistance(mΩ)	2000	2000	2000	2000
Wire size (mm²/AWG)	≤6/10	≤1.5/15	≤1.5/15	≤1.5/15

WS40, WF40, WY40	5	9
Male contact face view		
Rated current (A)	32	10 32
Contact diameter(mm)	Ø3.5X5	Ø2.5X5 Ø3.5X4
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	0.5	1 0.5
Insulation resistance(mΩ)	2000	2000
Wire size (mm²/AWG)	≤6/10	≤1.5/15 ≤6/10

WS48, WF48, WY48	7	20
Male contact face view		
Rated current (A)	32	10
Contact diameter(mm)	Ø3.5X7	Ø2.5X20
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	0.5	1
Insulation resistance(mΩ)	2000	2000
Wire size (mm²/AWG)	≤6/10	≤1.5/15

Solder connect to crimp

SF16, SA16, SP17, SY17 WS16, WF16, WY16	2	3
Male contact face view		
Rated current (A)	10	10
Contact diameter(mm)	Ø1.5X2	Ø1.5X3
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	2.5	2.5
Insulation resistance(mΩ)	2000	2000

SF20, SA20, WS20, WF20, WY20	2	3	4	5	7
Male contact face view					
Rated current (A)	25	25	25	10	10
Contact diameter(mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1.5X5	Ø1.5X7
Rated voltage (AC.V)	500	500	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500
Contact resistance(mΩ)	1	1	1	2.5	2.5
Insulation resistance(mΩ)	2000	2000	2000	2000	2000

SA28, WS28, WF28, WY28 SP29, SY29	2	3	7
Male contact face view			
Rated current (A)	50	50	25
Contact diameter(mm)	Ø3.5X2	Ø3.5X3	Ø2.5X7
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance(mΩ)	0.5	0.5	1
Insulation resistance(mΩ)	2000	2000	2000

WS32, WF32, WY32	4	19
Male contact face view		
Rated current (A)	50	10
Contact diameter(mm)	Ø3.5X4	Ø1.5X19
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	0.5	2.5
Insulation resistance(mΩ)	2000	2000

WS40, WF40, WY40	31
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	Ø1.5X31
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	2.5
Insulation resistance(mΩ)	2000

Solder connect to crimp

WS48, WF48, WY48	42
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	Ø1.5X42
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	2.5
Insulation resistance(mΩ)	2000

WS55, WF55, WY55	61
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	Ø1.5X61
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	2.5
Insulation resistance(mΩ)	2000

Screw connect to crimp

SF20, SA20, WS20, WF20, WY20	2	3
Male contact face view		
Rated current (A)	10	10
Contact diameter(mm)	Ø2.5X2	Ø2.5X3
Rated voltage (AC.V)	500	500
Test voltage(AC.V) 1 min	1500	1500
Contact resistance(mΩ)	1	1
Insulation resistance(mΩ)	2000	2000

SA28, WS28, WF28, WY28	7
Male contact face view	
Rated current (A)	10
Contact diameter(mm)	Ø2.5X7
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	1
Insulation resistance(mΩ)	2000

WS32, WF32, WY32	4
Male contact face view	
Rated current (A)	32
Contact diameter(mm)	Ø3.5X4
Rated voltage (AC.V)	500
Test voltage(AC.V) 1 min	1500
Contact resistance(mΩ)	0.5
Insulation resistance(mΩ)	2000




















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