



Material and spec

Coupling	Bayonet	
Shell material	Zinc alloy with chrome plating	
Insert material	PPS, max temperature 260 °C	Data: PBT, PVC
Contact material	Brass with gold plating	
Termination	Solder: Ø0.7, Ø1, Ø1.5, Ø1.6, Ø2.5, Ø3.5, Ø5.5mm Crimp: Ø1, Ø1.5, Ø2.5, Ø3.5, Ø5.5, Ø10mm Screw: Ø2.5, Ø3, Ø3.5mm Angled screw: Ø3, Ø3.5, Ø4mm	
Mating cycle	500	USB:1500
Working temperature range	-40℃ ~+85℃	Data: -20℃ ~+70℃
Transmission speed	Cat5: 10~100Mbps	Cat6: 100~1000Mbps

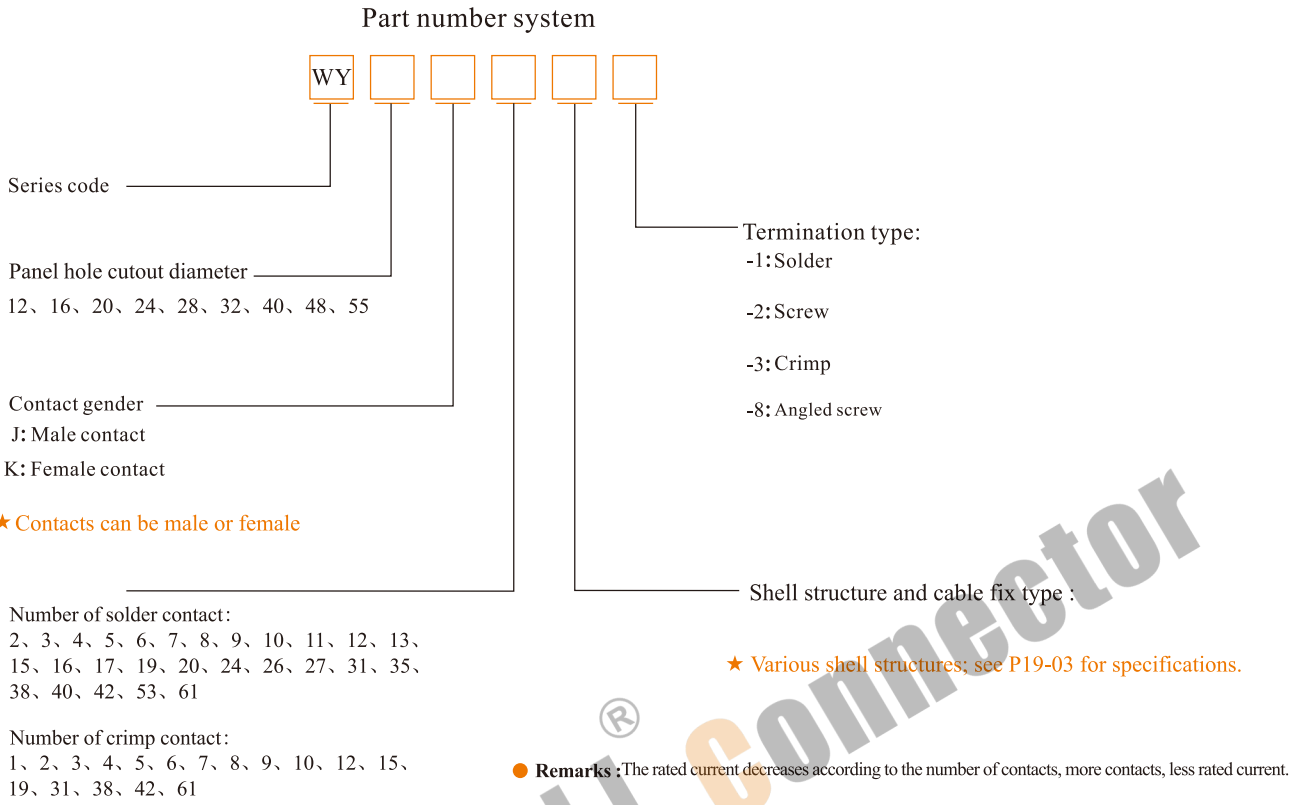
★ Solder contact spec see page P21

★ Crimp contact spec see P22

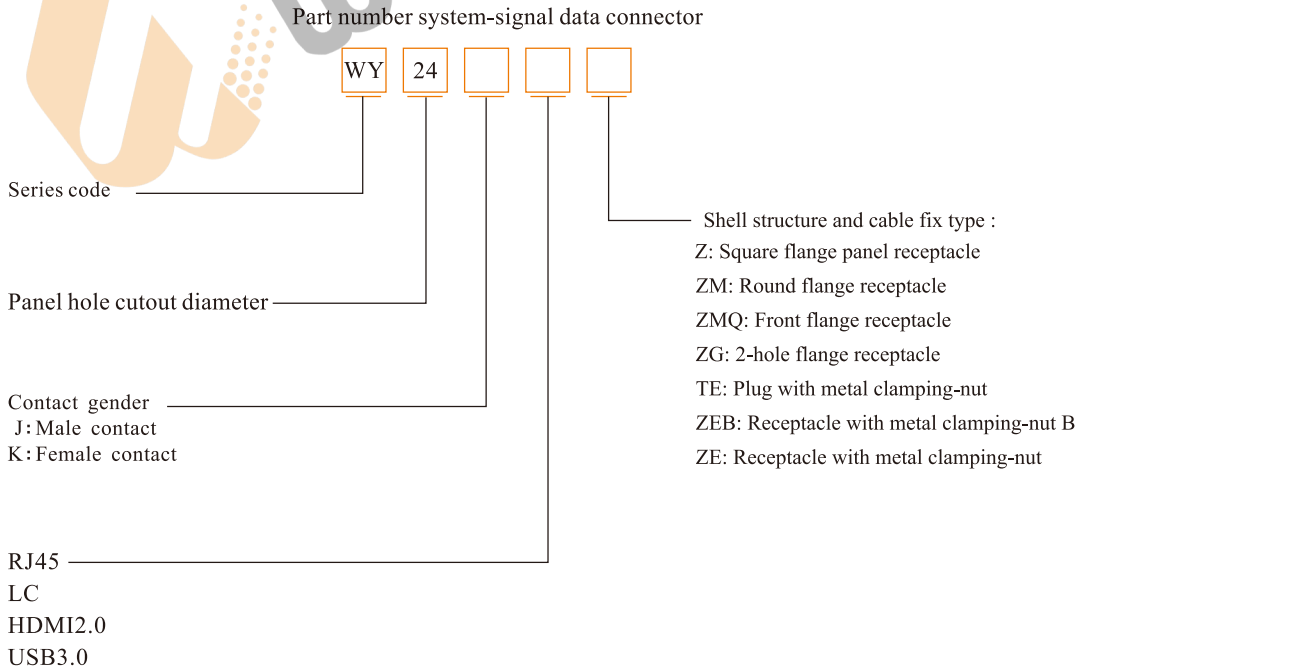
★ Screw contact spec see P23



WY Series



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%



● Shell structure and cable fix type



Panel socket type

- Z: Square flange receptacle
- ZM: Round flangel receptacle (WY16-28)
- ZMQ: Front-nut-mount receptacle (WY16-28)
- ZG: 2-hole flange receptacle

Straight shell type

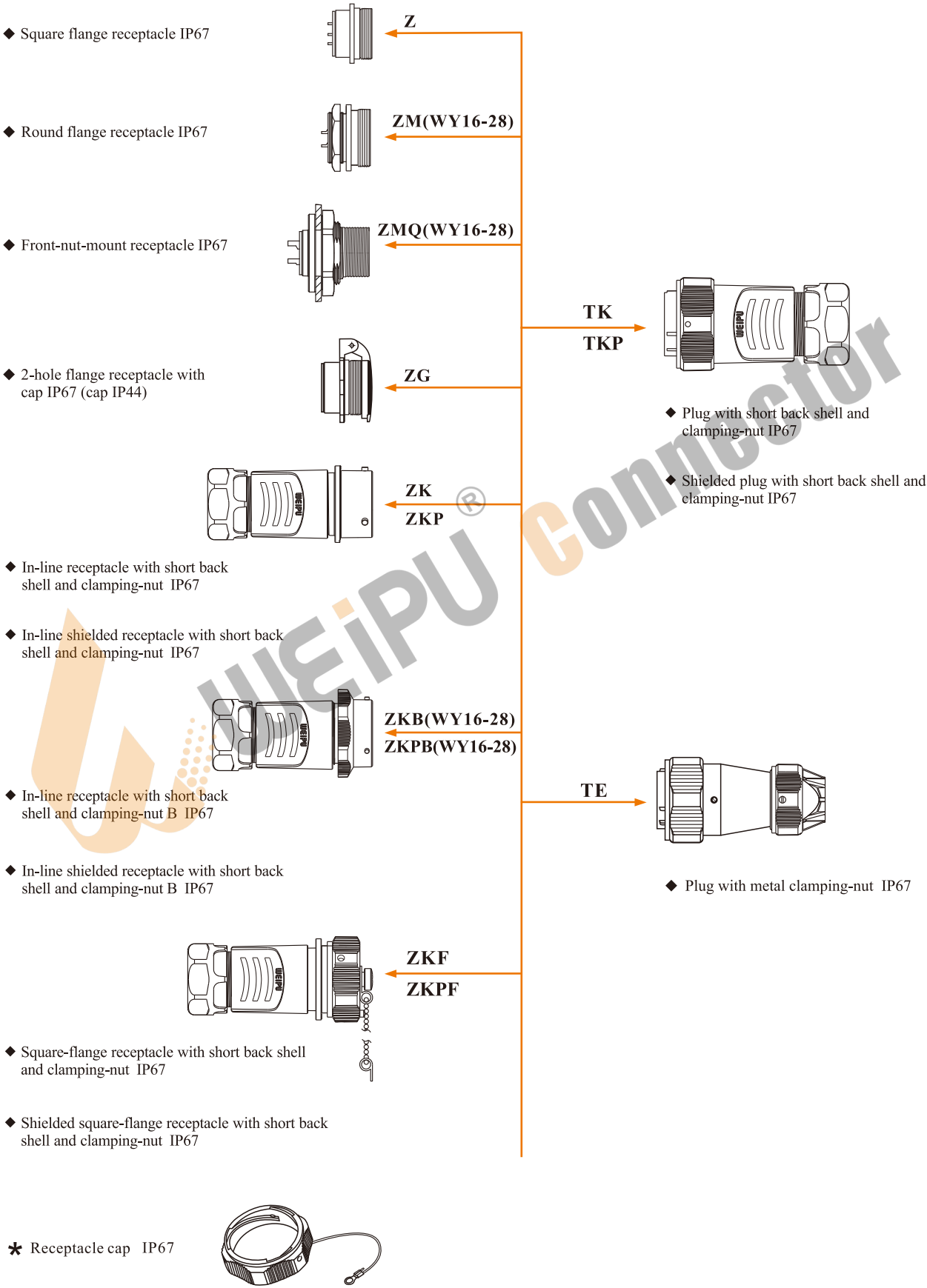
- ZK: In-line receptacle with short back shell and clamping-nut
- ZKP: In-line shielded receptacle with short back shell and clamping-nut
- ZKB: In-line receptacle with short back shell and clamping-nutB (WY16-28)
- ZKPB: In-line shielded receptacle with short back shell and clamping-nutB (WY16-28)
- ZKF: Square-flange receptacle with short back shell and clamping-nut
- ZKPF: Shielded square-flange receptacle with short back shell and clamping-nut
- TK: Plug with short back shell and clamping-nut
- TKP: Shielded plug with short back shell and clamping-nut
- ZEB: Receptacle with clamping-nut B (WY16-28)
- ZE: Receptacle with clamping-nut (WY32-55)
- ZEF: In-line receptacle with clamping-nut and square flange
- TE: Plug with metal clamping-nut
- ZIB: Receptacle with cable clamping plates B (WY16-28)
- ZI: Receptacle with cable clamping plates (WY32-55)
- ZIF: In-line receptacle with cable clamping plates and square flange
- TI: Plug with cable clamping plates
- ZXB: In-line receptacle with strain relief B (WY28)
- TX: Plug with strain relief (WY28)
- ZBB: Receptacle for plastic-hose B (WY16-28)
- ZB: Receptacle for plastic-hose (WY32-55)
- ZBF: In-line receptacle for plug plastic-hoseand square flange
- TB: Plug for plastic-hose
- ZHB: In-line receptacle for PA-hose B (WY16-28)
- ZH: In-line receptacle for PA-hose (WY16-28)
- TH: Plug for PA-hose (WY16-28)

Angled shell type

- TL: Plug with angled back shell and clamping-nut
- TU: Plug with clamping-nut
- TV: Plug with cable clamping plates
- TW: Plug for plastic-hose

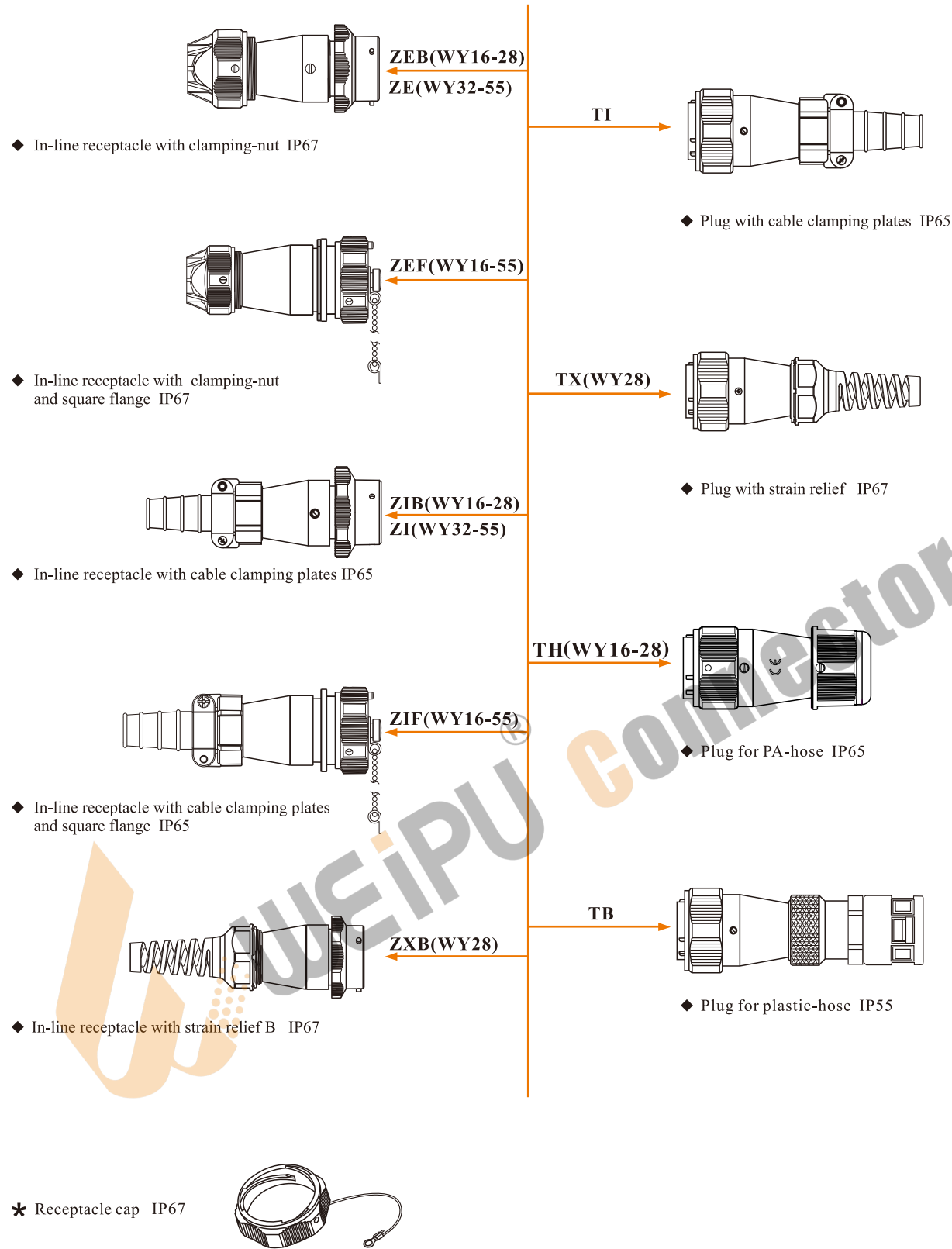
● WY Series Mating diagram

Mating note: Plugs and receptacles in this series are cross-compatible. Combinations are shown on three pages (P19-04 to P19-06).



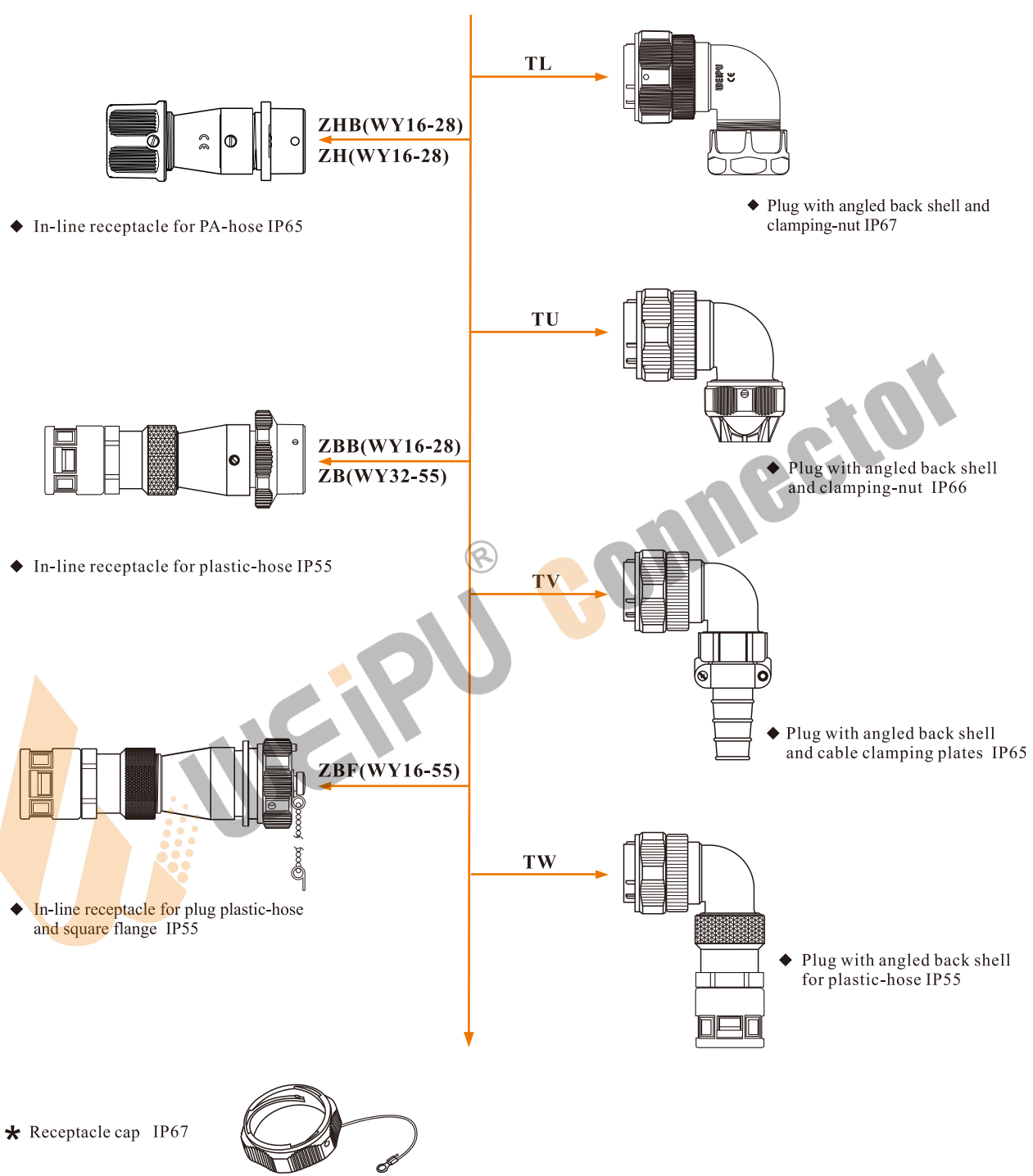
WY Series Mating diagram

Mating note: Plugs and receptacles in this series are cross-compatible. Combinations are shown on three pages (P19-04 to P19-06).



WY Series Mating diagram

Mating note: Plugs and receptacles in this series are cross-compatible. Combinations are shown on three pages (P19-04 to P19-06).



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

★ Contacts can be male or female.

★ Solder contact spec see page P21

★ Crimp contact spec see P22

★ Screw contact spec see P23

WY24 Series

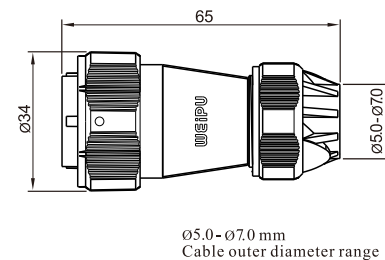
NEW

WY24



Plug with metal clamping-nut
Mate with WY24KRJ45Z

WY24JRJ45TE

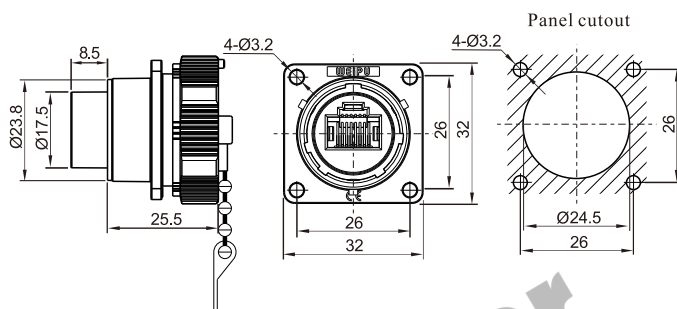


WY24KRJ45_Z

Standard: Cat 5
-C6: Cat6



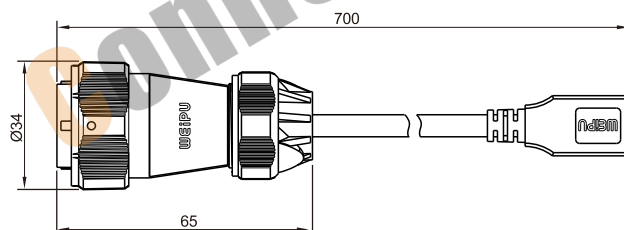
Square flange receptacle
Mate with WY24JRJ45TE



WY24JUSB3.0TE-

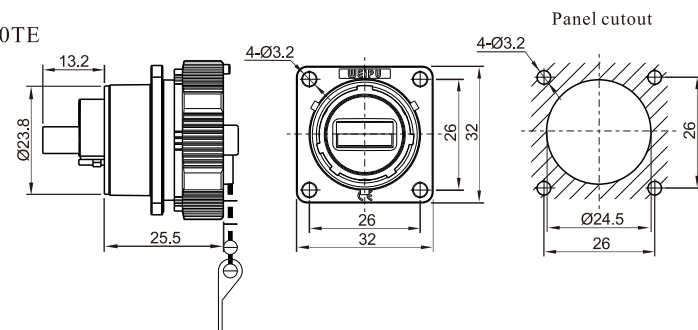
Cable length:
1.0 m
3.0 m

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



WY24KUSB3.0Z

Square flange receptacle
Mate with WY24JUSB3.0TE



WY24 Series

NEW

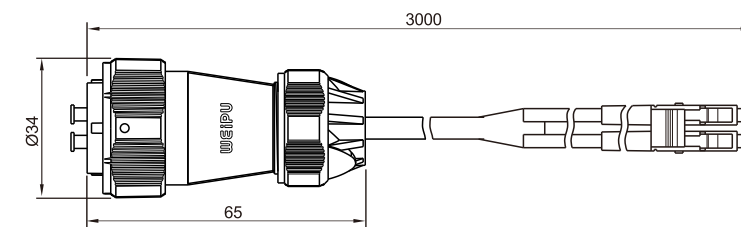
WY24



Plug with metal clamping-nut
Mate with WY24KLCZ

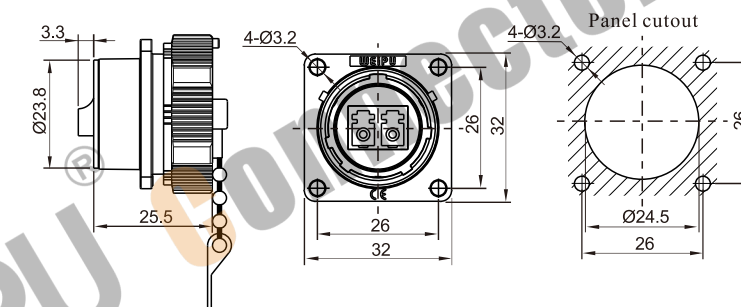
WY24JLCTE-

Cable length:
1.0 m
3.0 m
5.0 m



WY24KLCZ

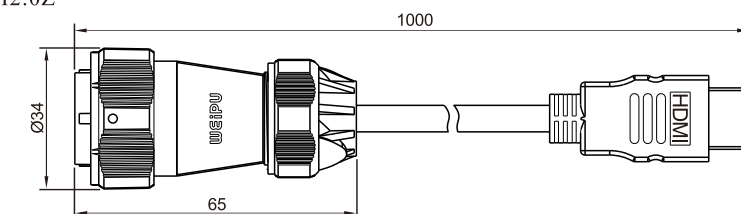
Square flange receptacle
Mate with WY24JLCTE



WY24JHDMI2.0TE-

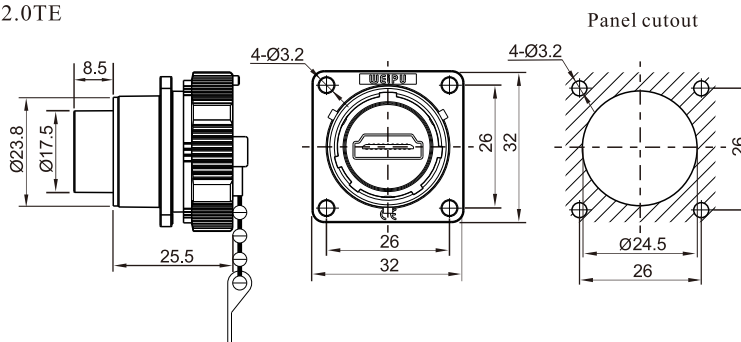
Cable length:
1.0 m
3.0 m

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



WY24KHDMI2.0Z

Square flange receptacle
Mate with WY24JHDMI2.0TE



★ Cable length can be customized

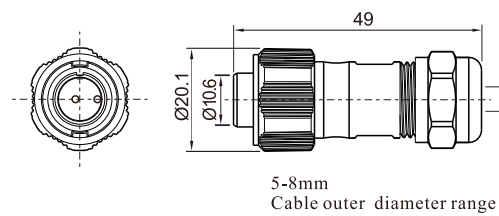
★ Cable length can be customized

**WY
12**



— Male contact

— Female contact



Ø18

49

5-8mm
Cable outer diameter range



Technical drawing of the M12-1000-0000 cable connector. The drawing includes three views: a top view, a side view, and a panel cutout view. The top view shows a circular connector with a diameter of $\varnothing 18$. The side view shows the cable with a length of 19.6, a connector body length of 10.3, and a maximum height of 3.5 max. The cable is labeled M12X0.75. The panel cutout view shows a circular hole with a diameter of $\varnothing 12$ and a depth of 11.5.



Technical drawing of the M18X1 cable gland showing three views: front, side, and panel cutout. The front view shows a hexagonal base with a central circular opening, dimensions $\varnothing 24.3$ and 21.8. The side view shows the cable gland with a cable, dimensions 19.8, 3.5 max, and $\varnothing 23$. The panel cutout view shows a circular hole with dimensions $\varnothing 17.9$ and 18.0.



19

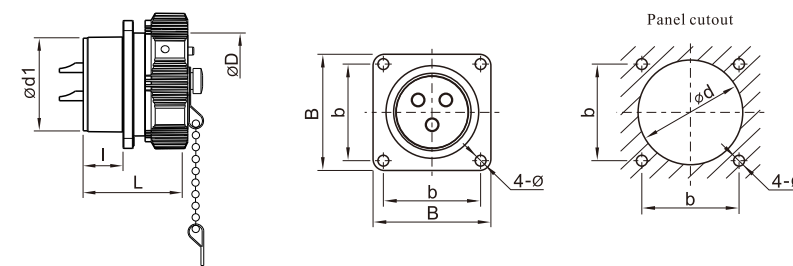
Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter (mm)	Ø1.6X2	Ø1.6X3	Ø1X4	Ø1X5	Ø1X6	Ø1X7	Ø0.7X9
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	2	2	5	5	5	5	10
Wire size (mm² /AWG)	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20



WY
series

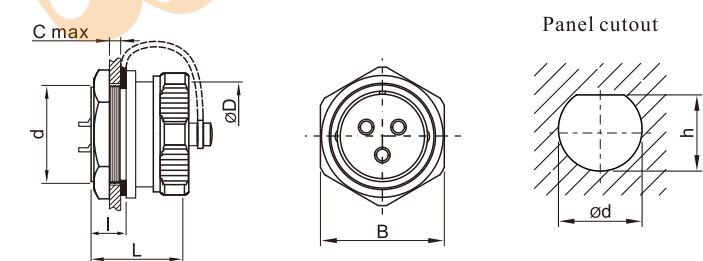


- Square flange panel receptacle: Z IP67



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
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
d	16.5	20.5	24.5	28.5	32.5	40.5	48.5	55.5
∅	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

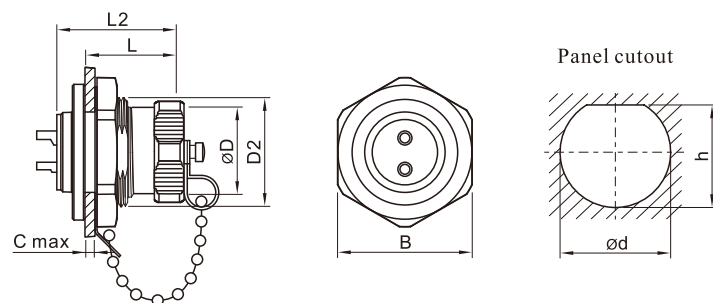
- Round flange panel receptacle: ZM IP67



Dimension(mm)	WY16	WY20	WY24	WY28
d	M16X1	M20X1	M24X1	M28X1
D	18	22	26	30
C	5	5	5	5
I	9.7	9.9	10	10.2
L	21.6	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

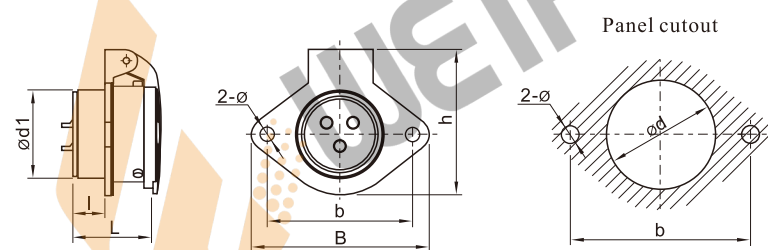


● Front-nut-mount receptacle: ZMQ IP67



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

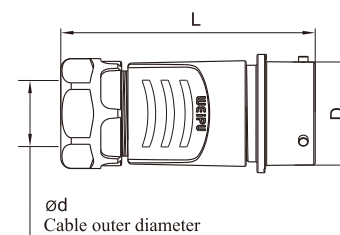
● 2-hole flange panel receptacle with cap: ZG IP67 (Cap IP44)



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

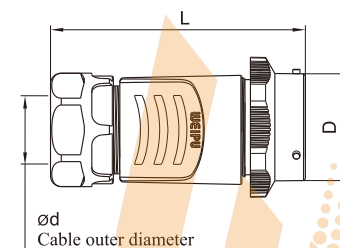


● In-line receptacle with short back shell and clamping-nut: ZK IP67
In-line shielded receptacle with short back shell and clamping-nut:ZKP IP67



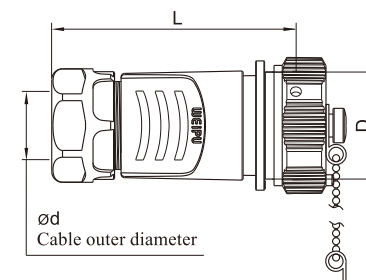
Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
øD	18	22	26	30	35	44	52	58
L	50	60	64	70	84	90	110	127
ød	I:4-6.5 II:6-8	I:6-10 II:10-14	I:6-10 II:10-14	I:10-13 II:12-16	I:12-16 II:16-20	I:18-22 II:22-26	I:22-26 II:26-30	I:26-30 II:30-34

● In-line receptacle with short back shell and clamping-nut B:ZKB IP67
In-line shielded receptacle with short back shell and clamping-nut B:ZKPB IP67

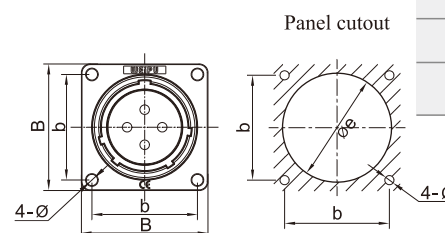


Dimension(mm)	WY16	WY20	WY24	WY28
øD	18	22	26	30
L	50	60	64	70
ød	I:4-6.5 II:6-8	I:6-10 II:10-14	I:6-10 II:10-14	I:10-13 II:12-16

● Square-flange receptacle with short back shell and clamping-nut:ZKF IP67
Shielded square-flange receptacle with short back shell and clamping-nut:ZKPF IP67



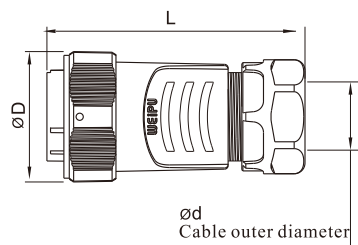
Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	18	22	26	30	35	44	52	58
L	50	60	64	70	84	90	110	127
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
e	18.5	23	26.5	31	35	43	51	58.2
ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5
ød	I:4-6.5 II:6-8	I:6-10 II:10-14	I:6-10 II:10-14	I:10-13 II:12-16	I:12-16 II:16-20	I:18-22 II:22-26	I:22-26 II:26-30	I:26-30 II:30-34





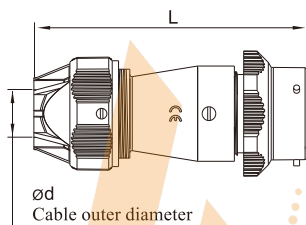
● Plug with short back shell and clamping-nut: TK IP67

Shielded plug with short back shell and clamping-nut: TKP IP67



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
ØD	24.5	29.5	34	38	44.2	54	62	68.6
L	50	60	64	70	84	90	110	127
Ød	I: 4-6.5 II: 6-8	I: 6-10 II: 10-14	I: 6-10 II: 10-14	I: 10-13 II: 12-16	I: 12-16 II: 16-20	I: 18-22 II: 22-26	I: 22-26 II: 26-30	I: 26-30 II: 30-34

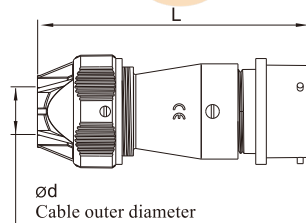
● In-line receptacle with clamping-nut B: ZEB IP67



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 P20

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

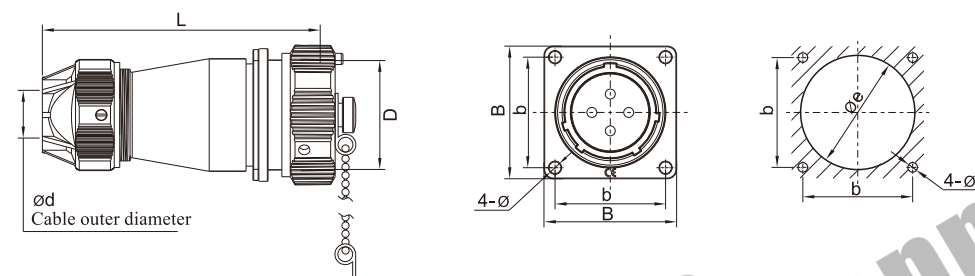


Dimension(mm)	WY32	WY40	WY48	WY55
D	35	44	52	58
L	90.5	103.5	108	131.6
Ød	15.5-17	18-20	I: 18-20 II: 24.5-26	24.5-26

Optional cap size see P20

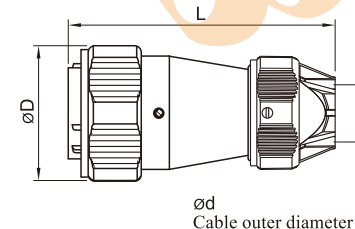


● In-line receptacle with clamping-nut and square flange: ZEF IP67



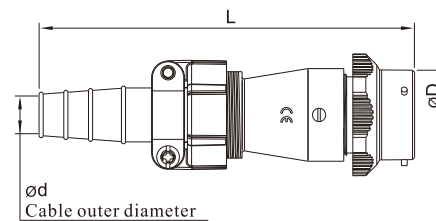
Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	18	22	26	30	35	44	52	58
L	55	63	66.5	70	90.5	103.5	108	131.6
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
e	18.5	23	26.5	31	35	43	51	58.2
Ød	I: 3.5-5 II: 5-6.5	9-10.5	9-10.5	10.5-12.5	I: 13.5-15.5 II: 15.5-17	I: 15.5-17 II: 18-20	I: 18-20 II: 24.5-26 III: 22.5-24.5	I: 22.5-24.5 II: 24.5-26
Ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

● 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 II: 24.5-26	24.5-26

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

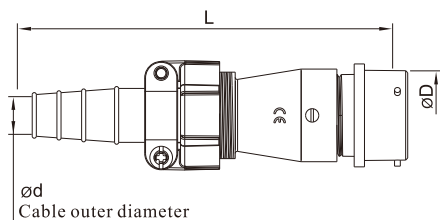


Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	73	88	92	101
Ød	7-8	8-10.5	8-10.5	11.5-13.6

Optional cap size see P20



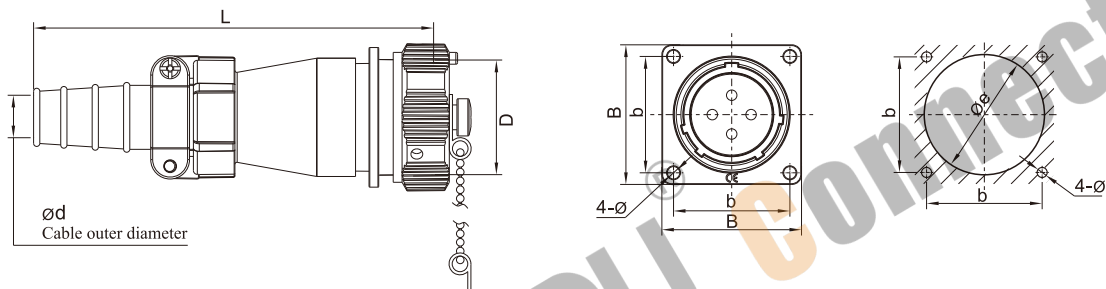
● In-line receptacle with cable clamping plates: ZI IP65



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 II:24-28	24-28

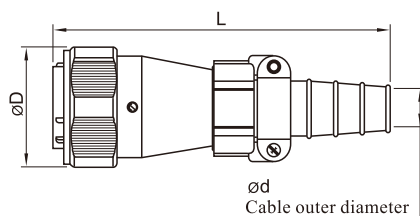
Optional cap size see P20

● In-line receptacle with cable clamping plates and square flange : ZIF IP65



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	18	22	26	30	35	44	52	58
L	73	88	92	101	119	130	137	165
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
e	18.5	23	26.5	31	35	43	51	58.2
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 II:24-28	24-28
ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

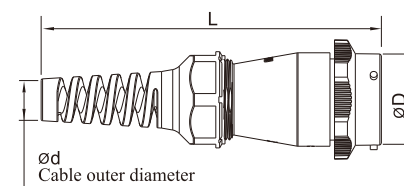
● Plug with cable clamping plates: TI IP65



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	118.5	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 II:24-28	24-28



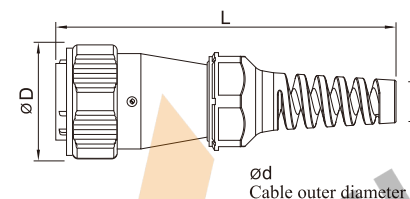
● In-line receptacle with strain relief B: ZXB IP67



Dimension(mm)	WY28
D	30
L	110
ød	6-8

Only available in size 28, other models are customizable

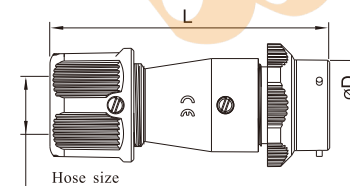
● Plug with strain relief: TX IP67



Dimension(mm)	WY28
D	38.5
L	108
ød	6-8

Only available in size 28, other models are customizable

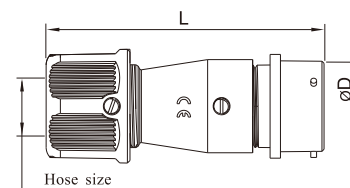
● In-line receptacle for PA-hose: ZHB IP65



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 P20

● In-line receptacle for PA-hose : ZH P65

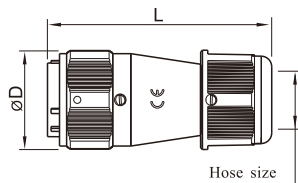


Dimension(mm)	WY16	WY20	WY24	WY28
D	18	22	26	30
L	54	64	66	70
Hose size	AD10	AD15.8	AD15.8	AD21.2

Optional cap size see P20

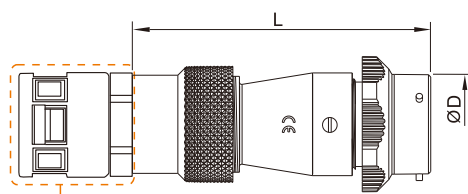


● Plug for PA-hose: TH IP65



Dimension(mm)	WY16	WY20	WY24	WY28
D	25	29.6	34	38.5
L	51	62.5	65.5	68.5
Hose size	AD10	AD15.8	AD15.8	AD21.2

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



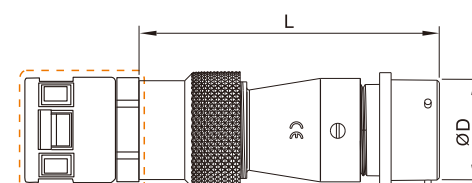
Optional plastic hose adapter

Optional cap size see P20

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



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

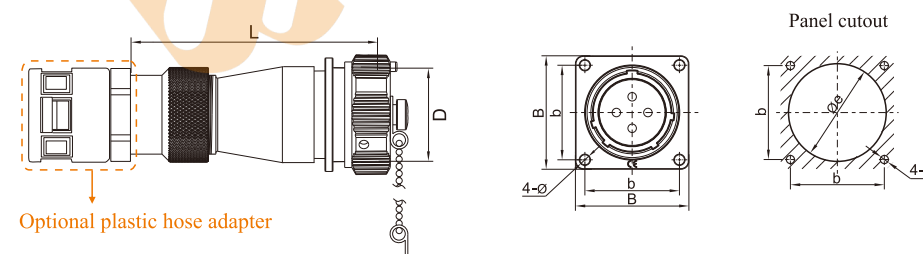


Optional plastic hose adapter

Optional cap size see P20

Dimension(mm)	WY32	WY40	WY48	WY55
D	35	44	52	58
L	86.5	95	104	120
Adapter size	PG21	PG29	I: PG29 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 II: AD42.5	AD42.5

● In-line receptacle for plug plastic-hose and square flange: ZBF IP55

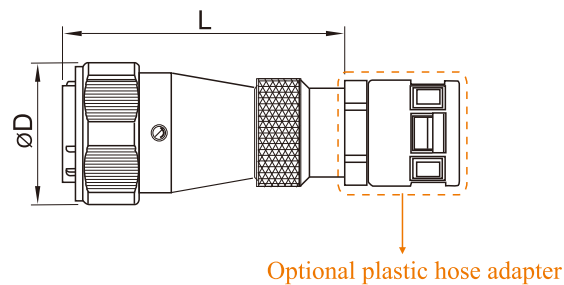


Optional plastic hose adapter

Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	18	22	26	30	35	44	52	58
L	54.5	64	67	73	86.5	95	104	120
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	I: PG29 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)	WQG-PG29(B) WQG-PG36(B)	WQG-PG36(B)
Hose size	AD10	AD15.8	AD15.8	AD21.2	AD28.5	AD34.5	I: AD34.5 II: AD42.5	AD42.5
b	20	22	26	30	32	40	48	52
B	26	29	32	36	42	50	58	64
e	18.5	23	26.5	31	35	43	51	58.2
Ø	3.2	3.2	3.2	3.2	3.5	4.5	4.5	4.5

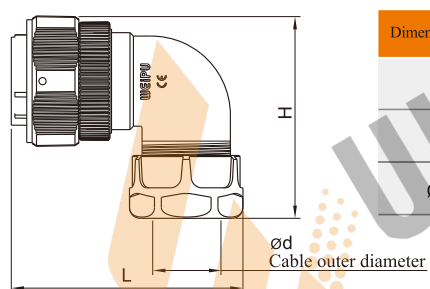


● Plug for plastic-hose: TB IP55



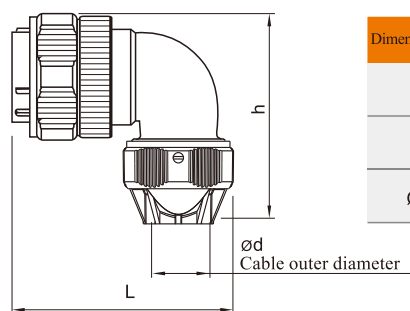
Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
D	25	29.5	34	38.5	44.5	54	62	68.5
L	54	62.5	66.5	72.5	87.5	95	105	118
Adapter size	PG7	PG11	PG11	PG16	PG21	PG29	I: PG29 II: PG36	PG36
Model of plastic hose adapter	WQG-PG7(B)	WQG-PG11(B)	WQG-PG11(B)	WQG-PG16(B)	WQG-PG21(B)	WQG-PG29(B)	I: WQG-PG29(B) II: WQG-PG36(B)	WQG-PG36(B)
Hose size	AD10	AD15.8	AD15.8	AD21.2	AD28.5	AD34.5	I: AD34.5 II: AD42.5	AD42.5

● Plug with angled back shell and clamping-nut: TL IP67



Dimension(mm)	WY16	WY20	WY24	WY28	WY32	WY40	WY48	WY55
H	43	53	53	57	67	78	91	100
L	47	56	62	65	81	93	102	106
Ød	I: 4-6.5 II: 6-8	I: 6-10 II: 10-14	I: 6-10 II: 10-14	I: 10-13 II: 12-16	I: 12-16 II: 16-20	I: 18-22 II: 22-26	I: 22-26 II: 26-30	I: 26-30 II: 30-34

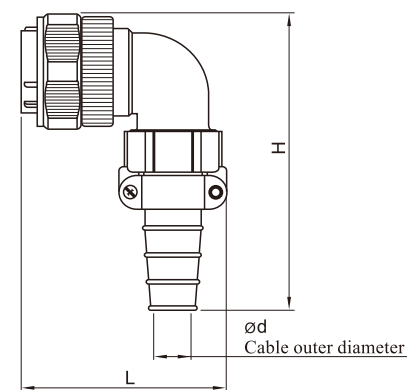
● Plug with angled back shell and clamping-nut: TU IP66



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

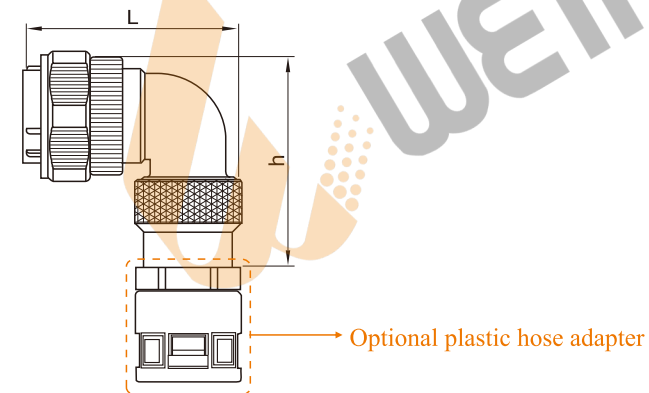


● Plug with angled back shell and cable clamping plates: TV IP65



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

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



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

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)	≤4/12	≤4/12	≤4/12	≤1.5/16	≤0.75/18 ≤4/12	≤0.75/18 ≤4/12	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18

WK24,SF24, SA24, SP25 SY25, 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)	≤4/12	≤4/12	≤4/12	≤0.75/18 ≤4/12	≤1.5/16	≤1.5/16	≤0.75/18 ≤4/12	≤0.75/18

WK28,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	≤4/12	≤4/12	≤4/12	≤16/5 ≤0.75/18	≤4/12 ≤0.75/18	≤4/12	≤1.5/16	≤1.5/16	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

Solder contact spec

WS32, WF32, WY32	4	6	8	8B	9	10	10B	11	12	13	19	41
Male contact face view												
Rated current (A)	50	10 50	10 50	10 50	80 10 25	10 25	25	25	25	10 25	10	5
Contact diameter(mm)	Ø3.5X4	Ø1.5X2 Ø3.5X4	Ø1.5X5 Ø3.5X3	Ø1.5X4 Ø3.5X4	Ø5.5X2 Ø1.5X6 Ø2.5X1	Ø1.5X5 Ø2.5X5	Ø2.5X10	Ø2.5X11	Ø2.5X12	Ø1.5X9 Ø2.5X4	Ø1.5X9	Ø1X41
Rated voltage (AC.V)	500	500	500	500	400	500	500	500	500	500	500	48
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1200	1500	1500	1500	1500	1500	1500	1500
Contact resistance(mΩ)	0.5	2.5 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	5
Insulation resistance (MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Wire size (mm²/AWG)	≤10/7	≤1.5/16 ≤10/7	≤1.5/16 ≤10/7	≤1.5/16 ≤10/7	≤16/5 1.5/16 ≤4/12	≤1.5/16 ≤4/12	≤4/12	≤4/12	≤4/12	≤1.5/16 ≤4/12	≤1.5/16	≤0.75/18

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	≤4/12 ≤10/7	≤1.5/16	≤1.5/16 ≤4/12	≤1.5/16	≤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	≤4/12	≤1.5/16 ≤4/12	≤1.5/16 ≤4/12	≤1.5/16

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 ≤50/(2/0)	≤10/7 ≤25/3	≤1.5/16 ≤4/12	≤1.5/16 ≤4/12	≤1.5/16

Crimp contact spec

SF16, SA16, SP17, SY17 WS16, WF16, WY16	1 For straight connector only	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

WK20,SF20, SA20, SP21, SY21 WS20,WF20, WY20, WP20	1 For straight connector only	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

WK24, SA24, SY25, SP25 WS24, WF24, WY24	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

WK28, 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 Ø1.5X 2	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

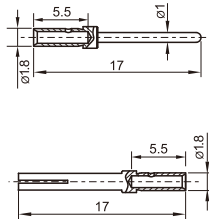
WS40, WF40, WY40	5	19	31
Male contact face view			
Rated current (A)	50	25	10
Contact diameter(mm)	Ø3.5X5	Ø2.5X19	Ø1.5X31
Rated voltage (AC.V)	500	500	500
Test voltage(AC.V) 1 min	1500	1500	1500
Contact resistance(mΩ)	0.5	1	2.5
Insulation resistance (MΩ)	2000	2000	2000

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

5A Crimp contact

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



5A Male crimp contact For SF, SA, SP, SY, WP, WS/WF/WY16-28

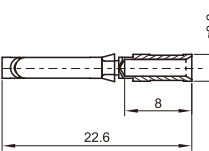
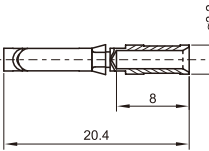
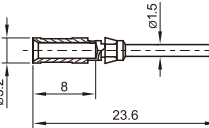
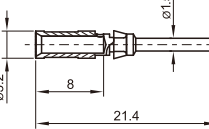
Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm ² AWG 24-20	5.5mm	YJ1-17-0.52AU	CTW-0.14/4	RT-1.0

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	YK1-17-0.52AU	CTW-0.14/4	RT-1.0

10A Crimp contact

- ※ Contact diameter: Ø1.5
- ※ Material: Brass with gold plating
- ※ Contact resistance: 2.5mΩ



10A Male crimp contact For WK, 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 WK, SF, SA, SP, SY, WP, WS/WF/WY16-28

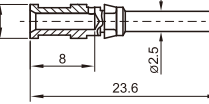
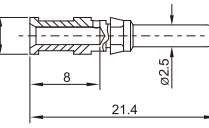
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22	8mm	YK1.5-20.4-0.37AU	CTW-0.14/4	RT-1.5
0.5mm ² AWG 20	8mm	YK1.5-20.4-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm ² AWG 18	8mm	YK1.5-20.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16	8mm	YK1.5-20.4-1.5AU	CTW-0.14/4	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: Ø2.5
- ※ Material: Brass with gold plating
- ※ Contact resistance: 1mΩ



25A Male crimp contact For WK, SF, SA, SP, SY, WP, WS/WF/WY16-28

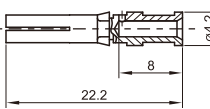
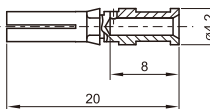
Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18	8mm	YJ2.5-21.4-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16	8mm	YJ2.5-21.4-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14	8mm	YJ2.5-21.4-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12	8mm	YJ2.5-21.4-4.0AU	CTW-0.14/4	RT-2.5

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

25A Crimp contact

- ※ Contact diameter: Ø2.5
- ※ Material: Brass with gold plating
- ※ Contact resistance: 1mΩ



25A Female crimp contact For WK, SF, SA, SP, SY, WP, WS/WF/WY16-28

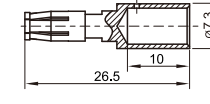
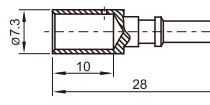
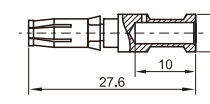
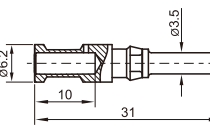
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18	8mm	YK2.5-20-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16	8mm	YK2.5-20-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14	8mm	YK2.5-20-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12	8mm	YK2.5-20-4.0AU	CTW-0.14/4	RT-2.5

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: Ø3.5
- ※ 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, WK28/WS/WF/WY28

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
4.0mm ² AWG 12	10mm	YJ3.5-28-4.0AU	CT-4/10	RT-3.5
6.0mm ² AWG 10	10mm	YJ3.5-28-6.0AU	CT-4/10	RT-3.5
10mm ² AWG 7	10mm	YJ3.5-28-10.0AU	CT-4/10	RT-3.5
16mm ² AWG 5	10mm	YJ3.5-28-16.0AU	YQK-70	RT-3.5

50A Female crimp contact For 2 & 3 pins of SP29, SY29, SA28, WK28/WS/WF/WY28

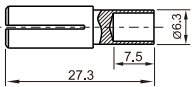
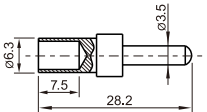
Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
4.0mm ² AWG 12	10mm	YK3.5-26.5-4.0AU	CT-4/10	RT-3.5
6.0mm ² AWG 10	10mm	YK3.5-26.5-6.0AU	CT-4/10	RT-3.5
10mm ² AWG 7	10mm	YK3.5-26.5-10.0AU	CT-4/10	RT-3.5
16mm ² AWG 5	10mm	YK3.5-26.5-16.0AU	YQK-70	RT-3.5

50A Crimp contact

※ Contact diameter: Ø3.5

※ Material:brass with silver plating

※ Contact resistance:0.5m Ω



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

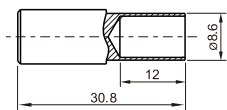
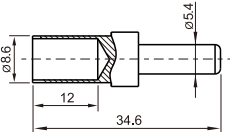
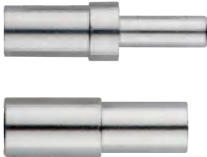
Wire size		Stripping length	Crimping tool p/n
10.0mm ²	AWG 7	10mm	YQK-70

100A Crimp contact

※ Contact diameter: Ø5.5

※ Material:brass with silver plating

※ Contact resistance:0.3m Ω



100A Male crimp contact

WS/WF/WY20/SP21/SY21/SA20/SF20/SP20/WK20

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

100A Female crimp contact

WS/WF/WY20/SP21/SY21/SA20/SF20/SP20/WK20

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



CTW-0.14/4



CT-4/10

Part number	Crimping wire range
CTW-0.14/4	0.14-4mm ² AWG 26-12

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

Removal tool

For taking out male / female contacts



RT-1.0



RT-1.5

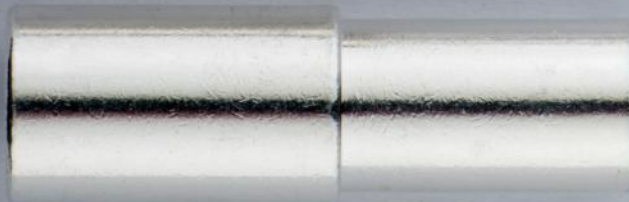
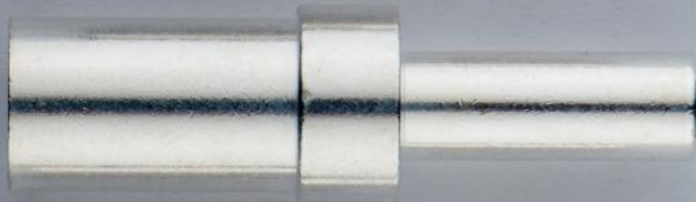
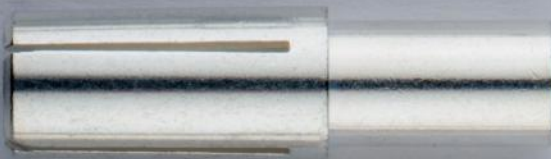
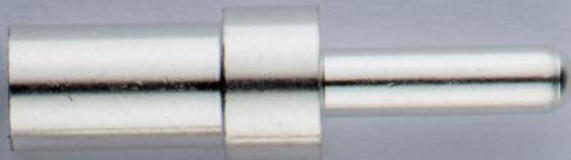


RT-2.5



RT-3.5

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)	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15

WK20, SP21, SY21, WP20	2	3	4	5
Male contact face view				
Rated current (A)	10	10	10	10
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 (mm² / AWG)	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15

WK24, 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)	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15

SA28, SP29, SY29 WK28, 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)	Min: 0.5/20 Max: 6/10	Min: 0.5/20 Max: 6/10	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15

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)	Min: 0.5/20 Max: 6/10	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15	Min: 0.5/20 Max: 1.5/15

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)	Min: 0.5/20 Max: 6/10	Min: 0.5/20 Max: 1.5/15

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)	Min: 0.5/20 Max: 6/10	Min: 0.5/20 Max: 1.5/15

Angled Screw contact spec

WK20,SF20, SA20, WS20, WF20, WY20,SP21,SY21	2		3	
Male contact face view				
Rated current (A)	30		30	
Contact diameter(mm)	ø3X2		ø3X3	
Rated voltage (AC.V)	WK20, S F20, SA20 WS20, WF20, WY20	SP21,SY21	WK20, S F20, SA20 WS20, WF20, WY20	SP21,SY21
	500	800	500	800
Test voltage(AC.V) 1 min	1500	2800	1500	2800
Contact resistance (mΩ)	1		1	
Wire size (mm² / AWG)	Min: 0.75/18 Max: 4/12		Min: 0.75/18 Max: 4/12	

WK24,SF24, SA24, WS24, WF24, WY24,SP25,SY25	4	
Male contact face view		
Rated current (A)	30	
Contact diameter(mm)	ø3X4	
Rated voltage (AC.V)	WK24, S F24, SA24 WS24, WF24, WY24	SP25,SY25
	500	800
Test voltage(AC.V) 1 min	1500	2800
Contact resistance (mΩ)	1	
Wire size (mm² / AWG)	Min: 0.75/18 Max: 4/12	

WK28,SF28, SA28, WS28, WF28, WY28,SP29,SY29	2		3		4		5	
Male contact face view								
Rated current (A)	50		50		40		30	
Contact diameter(mm)	ø4X2		ø4X3		ø3.5X4		ø3X5	
Rated voltage (AC.V)	WK28, S F28 SA28, WS28 WF28, WY28	SP29 SY29	WK28, S F28 SA28, WS28 WF28, WY28	SP29 SY29	WK28, S F28 SA28, WS28 WF28, WY28	SP29 SY29	WK28, S F28 SA28, WS28 WF28, WY28	SP29 SY29
	500	800	500	800	500	800	500	800
Test voltage(AC.V) 1 min	1500	2800	1500	2800	1500	2800	1500	2800
Contact resistance (mΩ)	0.5		0.5		0.5		1	
Wire size (mm² / AWG)	Min: 4/11 Max: 10/8		Min: 4/11 Max: 10/8		Min: 2.5/13 Max: 6/10		Min: 0.75/18 Max: 4/12	

1. WS/WF/WY series → **only for models** Z, ZG, ZM, ZMQ, TK, ZK, ZKB, ZKF.
2. WK series → **only for models** Z, ZMQ, ZM, ZE, ZEP, TE, TEP.

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