

WK Series



WK Series Lock the hook tightly connector

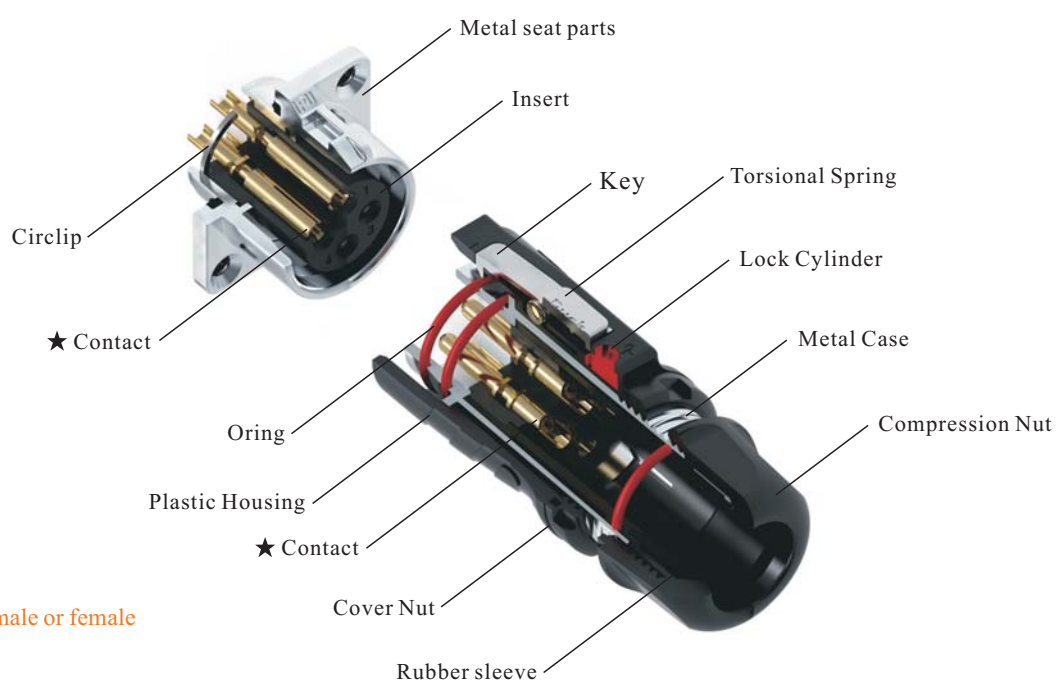
● Product characteristics:

- Quick installation of product wiring, direct push pull lock buckle
Quick plug-in and reliable, convenient and reliable;
- With button lock function;
- With shielding function;
- IP68 waterproof.





● Lock the hook tightly

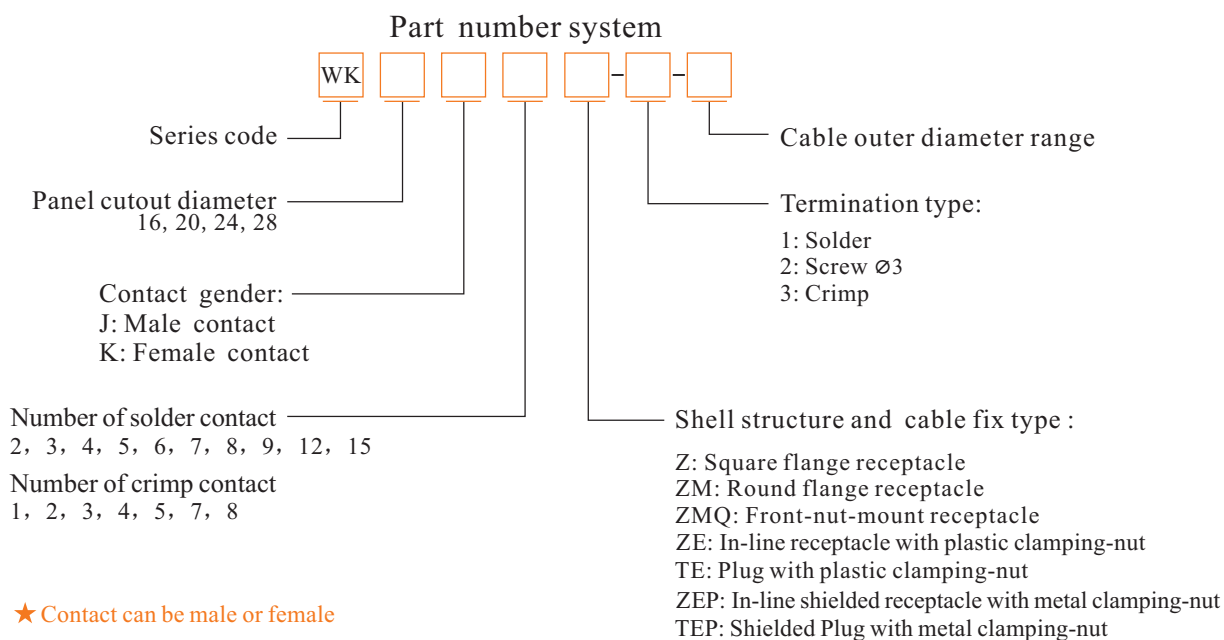


★ Contact can be male or female

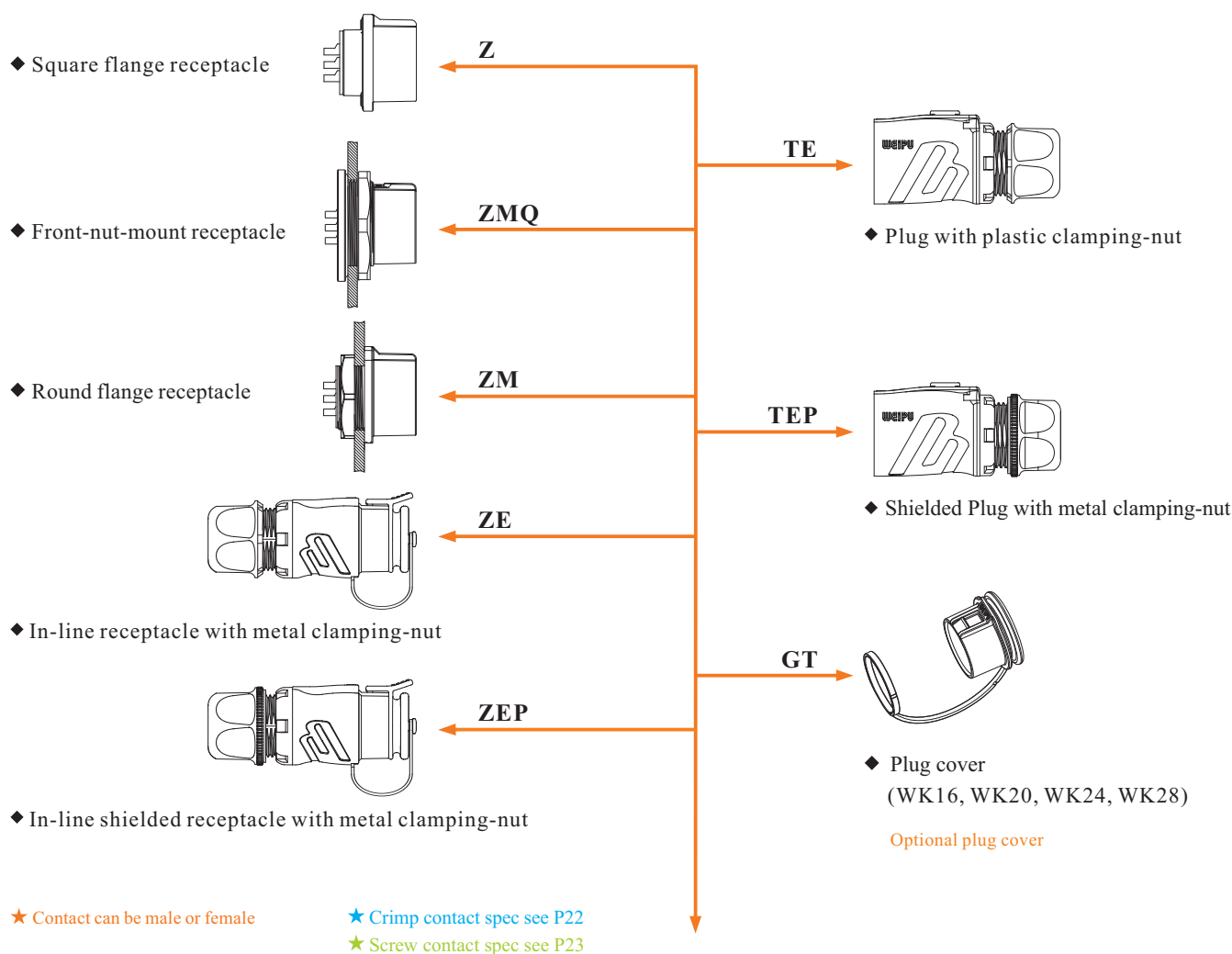
Material and spec

Specifications	WK16	WK20 WK24 WK28
Coupling	Lock hook connection	
Shell	PPE, Zinc alloy, Fire resistance: V-0	
Contact material	Brass with gold plating	
Insert material	PPS, PBT, max temperature 260 °C	
Termination	Solder: Ø1mm、Ø1.5mm	Solder: Ø1mm、Ø1.5mm、Ø2mm、Ø2.5mm、Ø3mm、Ø3.5mm Screw: Ø2.5mm、Ø3mm、Ø3.5mm Crimp: Ø1mm、Ø1.5mm、Ø2.5mm、Ø3.5mm、Ø5.5mm
Key lock		✓
IP rating	IP68 (mated)	
Mating cycle	500	
Temperature range	-40℃~+105℃	
Insulation resistance	2000MΩ	

● WK Series

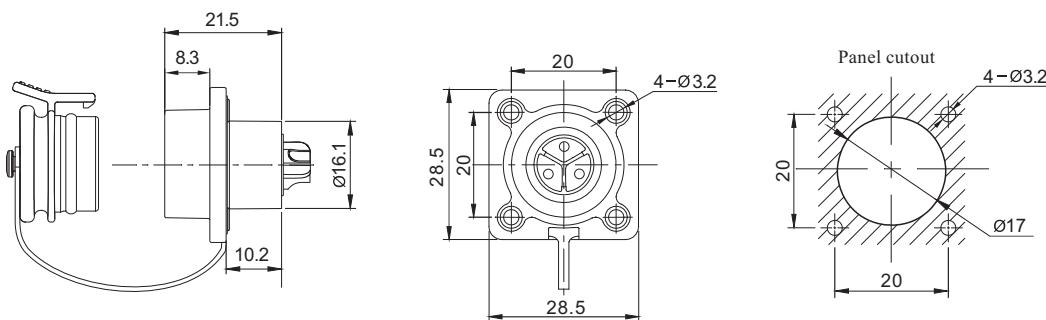


● WK Series Mating diagram

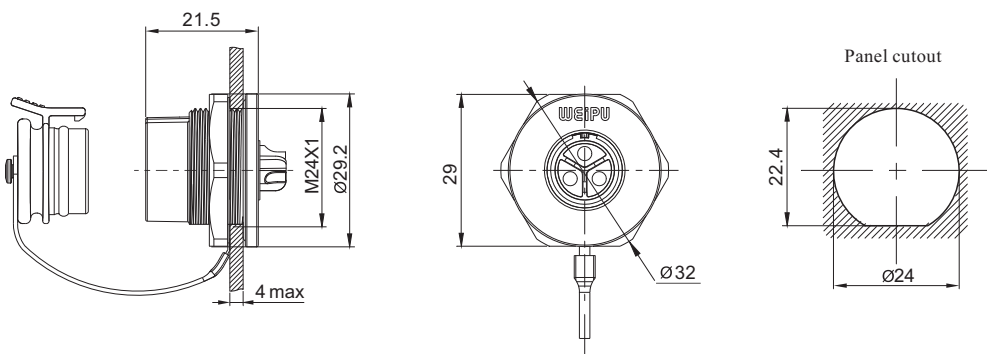




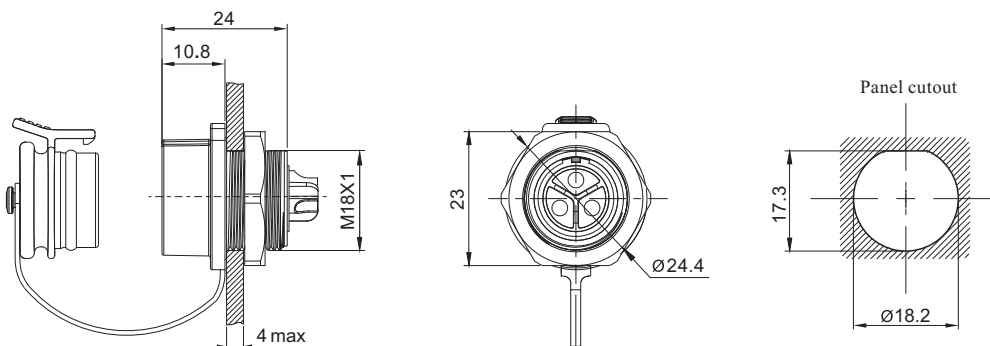
● Square flange receptacle: Z IP68



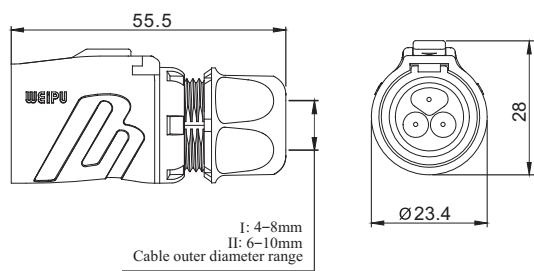
● Front-nut-mount receptacle: ZMQ IP68



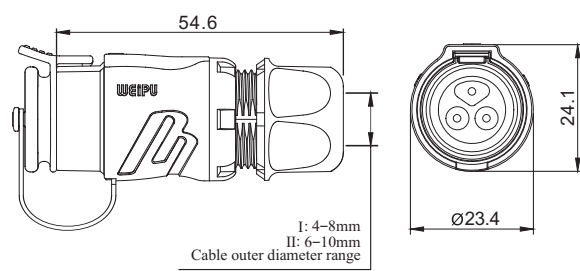
● Round flange receptacle: ZM IP68



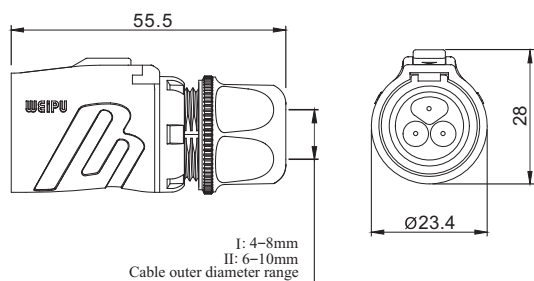
● Plug with plastic clamping-nut: TE IP68



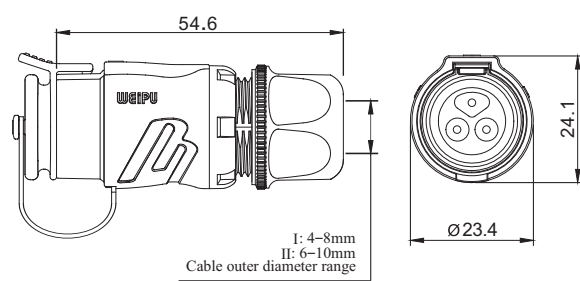
● In-line receptacle with plastic clamping-nut: ZE IP68



● Shielded Plug with metal clamping-nut: TEP IP68



● In-line shielded receptacle with metal clamping-nut: ZEP IP68



Plug cover: WK16-GT
Order number: 10221001629

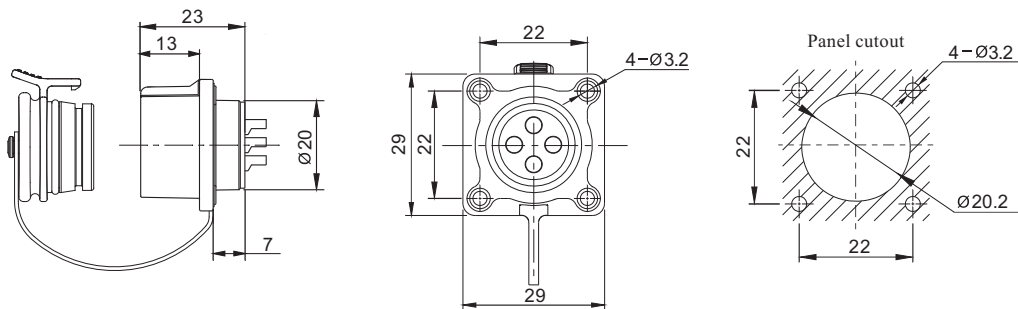
Optional plug cover

Solder contact spec

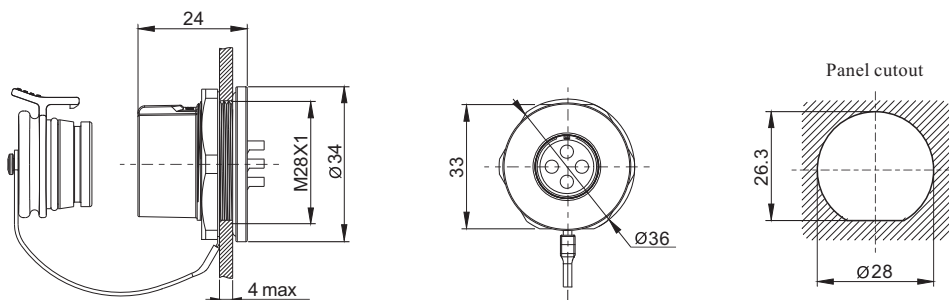
WK16	2	3	4	5	7	8	9
Male contact face view							
Rated current (A)	10	10	10	5	5	5	5
Contact diameter(mm)	Ø1.5X2	Ø1.5X3	Ø1.5X4	Ø1X5	Ø1X7	Ø1X8	Ø1X9
Rated voltage (AC.V)	400	400	400	250	250	250	250
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500
Contact resistance(mΩ)	3	3	3	5	5	5	5
Wire size (mm ² /AWG)	≤1.5/16	≤1.5/16	≤1.5/16	≤0.75/20	≤0.75/20	≤0.75/20	≤0.75/20



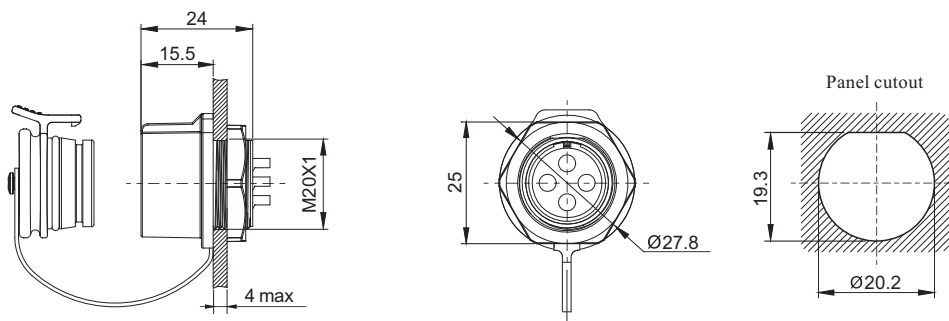
● Square flange receptacle: Z IP68



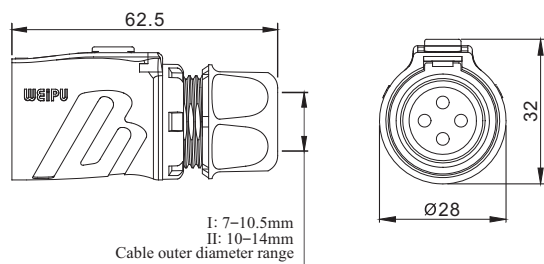
● Front-nut-mount receptacle: ZMQ IP68



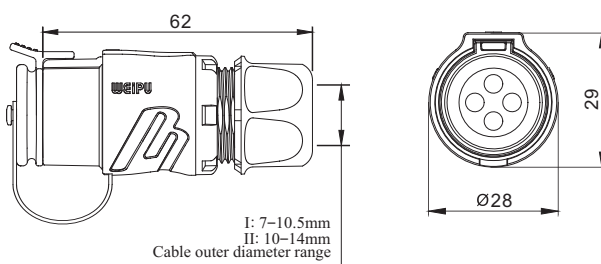
● Round flange receptacle: ZM IP68



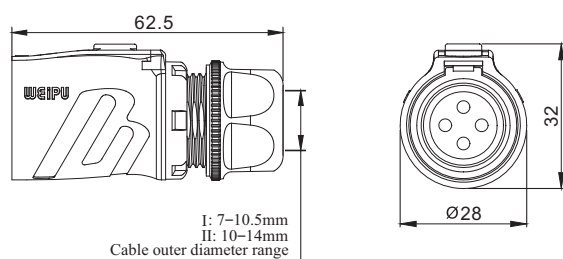
● Plug with plastic clamping-nut: TE IP68



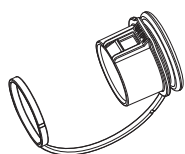
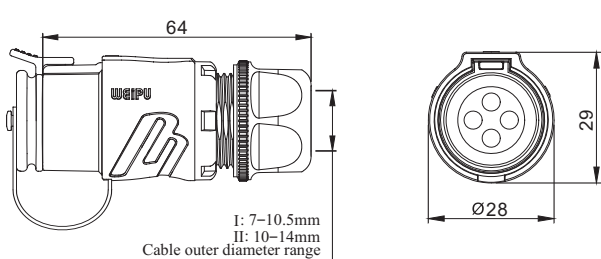
● In-line receptacle with plastic clamping-nut: ZE IP68



● Shielded Plug with metal clamping-nut: TEP IP68



● In-line shielded receptacle with metal clamping-nut: ZEP IP68



Plug cover: WK20-GT
Order number: 10221001630

Optional plug cover

★ Crimp contact spec see P22

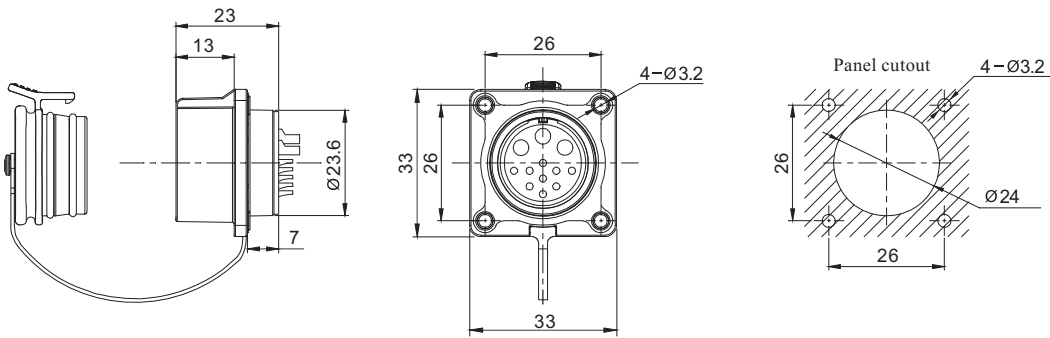
★ Screw contact spec see P23

Solder contact spec

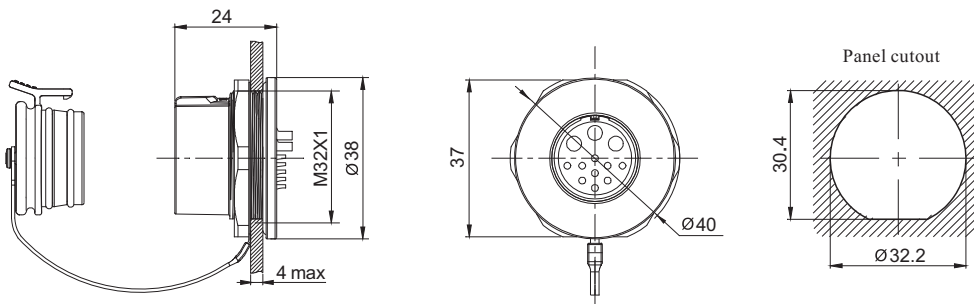
WK20	2	3	4	5	5B	5C	6	6B	7	8	9	12	15
Male contact face view													
Rated current (A)	30	30	30	30	30 5	15	25 5	30 5	15	10	5	5	5
Contact diameter(mm)	Ø3X2	Ø3X3	Ø3X4	Ø3X5	Ø3X2 Ø1X3	Ø2X5	Ø2.5X4 Ø1X2	Ø3X2 Ø1X4	Ø2X7	Ø1.5X8	Ø1X9	Ø1X12	Ø1X15
Rated voltage (AC.V)	500	500	500	500	500	500	500	500	500	500	400	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
Wire size(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



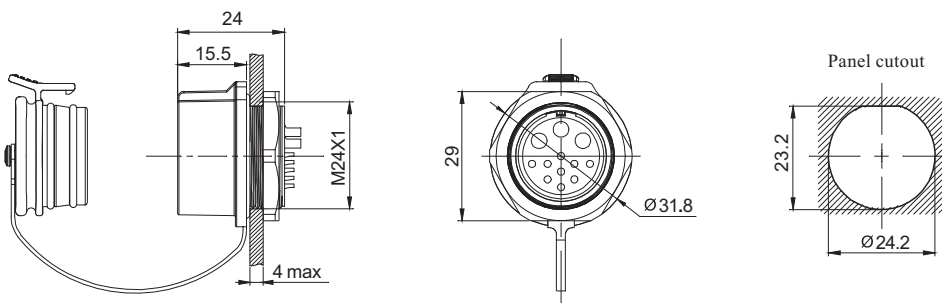
● Square flange receptacle: Z IP68



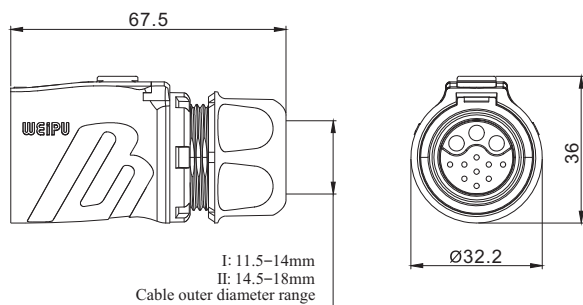
● Front-nut-mount receptacle: ZMQ IP68



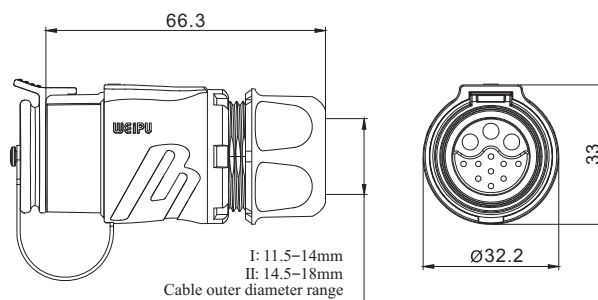
● Round flange receptacle: ZM IP68



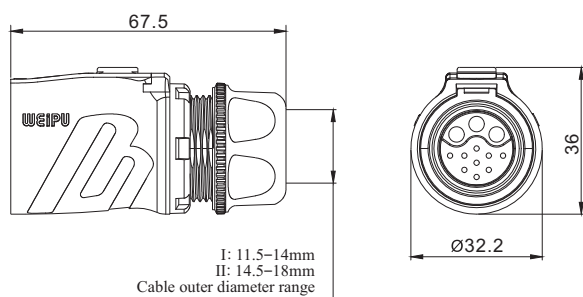
● Plug with plastic clamping-nut: TE IP68



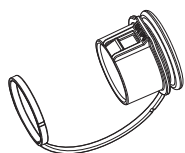
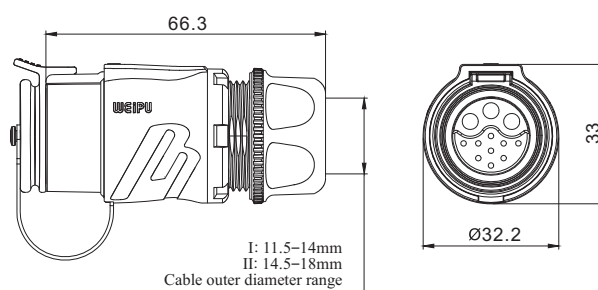
● In-line receptacle with plastic clamping-nut: ZE IP68



● Shielded Plug with metal clamping-nut: TEP IP68



● In-line shielded receptacle with metal clamping-nut: ZEP IP68



Plug cover: WK24-GT
Order number: 10221001653

Optional plug cover

★ Crimp contact spec see P22

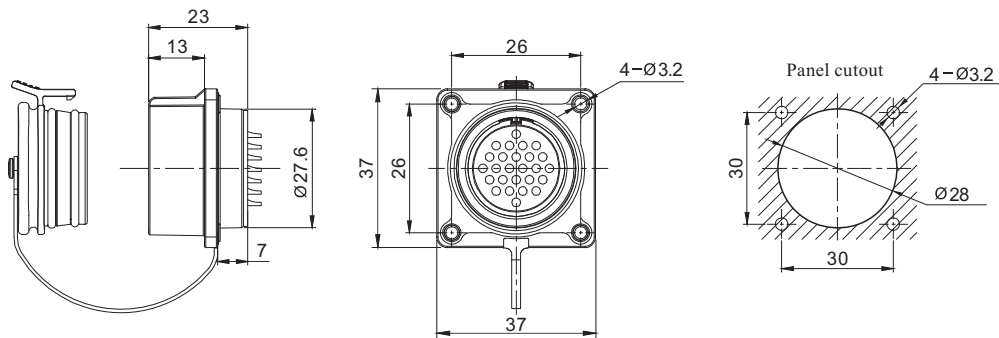
★ Screw contact spec see P23

Solder contact spec

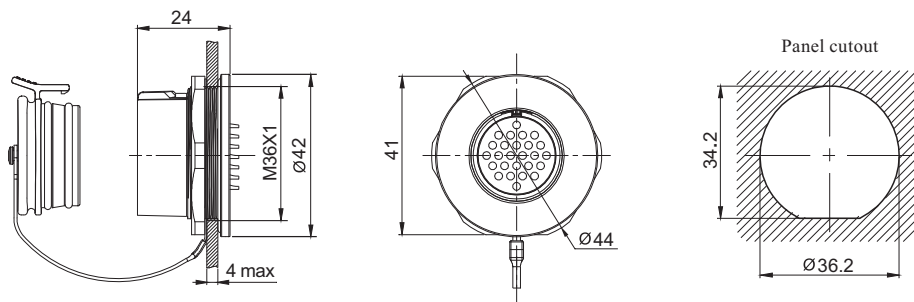
WK24	2	3	4	9	10	12	12B	19
Male contact face view								
Rated current (A)	25	25	25	5 25	10	10	5 30	5
Contact diameter(mm)	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1X5 Ø2.5X4	Ø1.5X10	Ø1.5X12	Ø1X9 Ø3X3	Ø1X19
Rated voltage (AC.V)	500	500	500	500	500	500	500	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500	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)	≤4/12	≤4/12	≤4/12	≤0.75/18 ≤4/12	≤1.5/16	≤1.5/16	≤0.75/18 ≤4/12	≤0.75/18



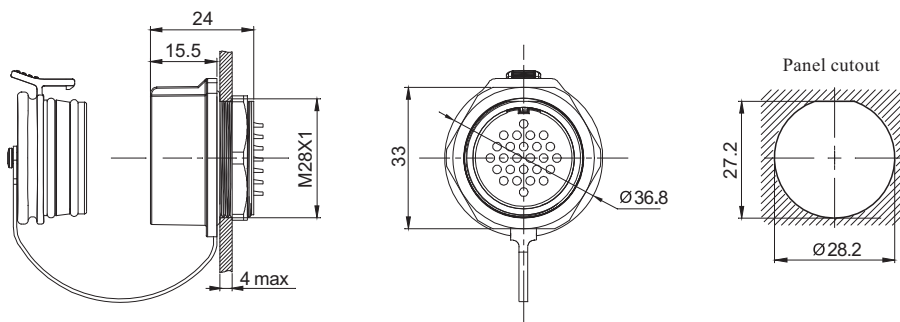
● Square flange receptacle: Z IP68



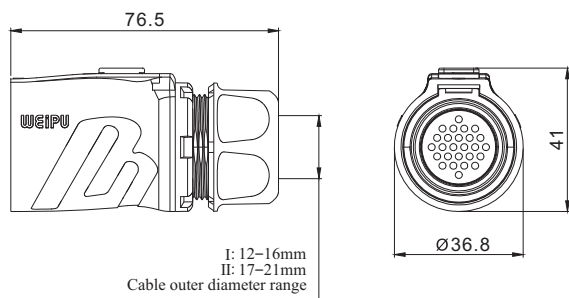
● Front-nut-mount receptacle: ZMQ IP68



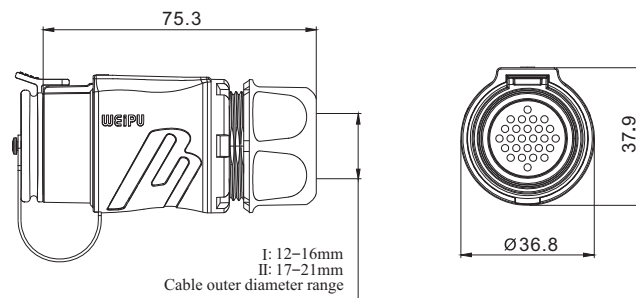
● Round flange receptacle: ZM IP68



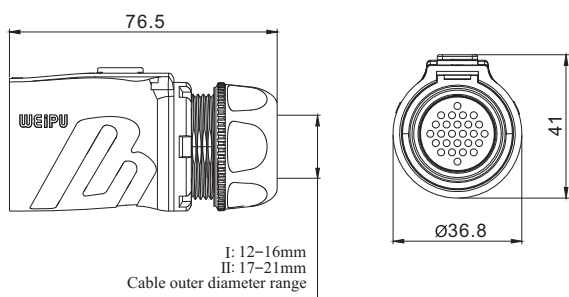
● Plug with plastic clamping-nut: TE IP68



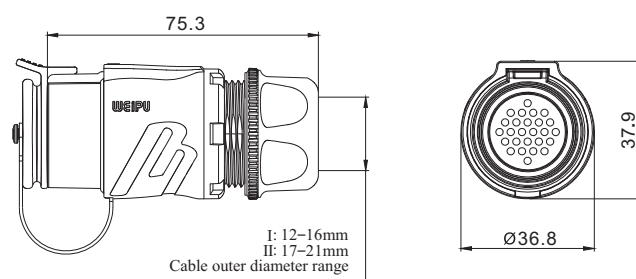
● In-line receptacle with plastic clamping-nut: ZE IP68



● Shielded Plug with metal clamping-nut: TEP IP68



● In-line shielded receptacle with metal clamping-nut: ZEP IP68



Plug cover: WK28-GT
Order number: 10221001654

Optional plug cover

★ Crimp contact spec see P22

★ Screw contact spec see P23

Solder contact spec

WK28	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 (mm ² /AWG)	≤10/7	≤10/7	≤4/12	≤4/12	≤4/12	≤16/5 ≤0.75/18	≤4/12 ≤0.75/18	≤4/12	≤1.5/16	≤1.5/16	≤1.5/16	≤1.5/16	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18