

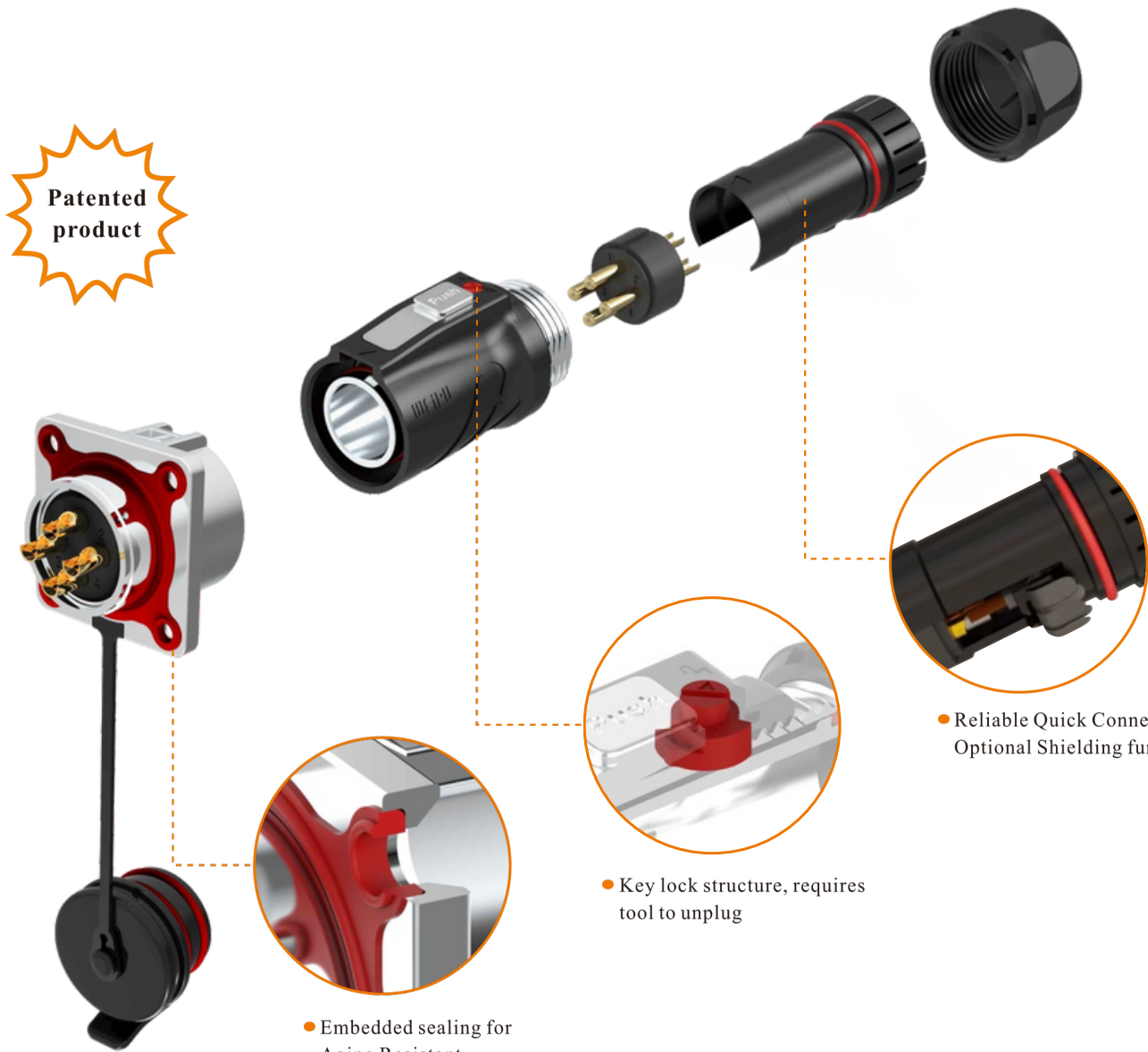
WK Series Connector

Push Locking Connection



● Features:

- Reliable Quick Connection
- Key Lock structure
- Optional Shielding function
- Up to IP68 rating



Patented product

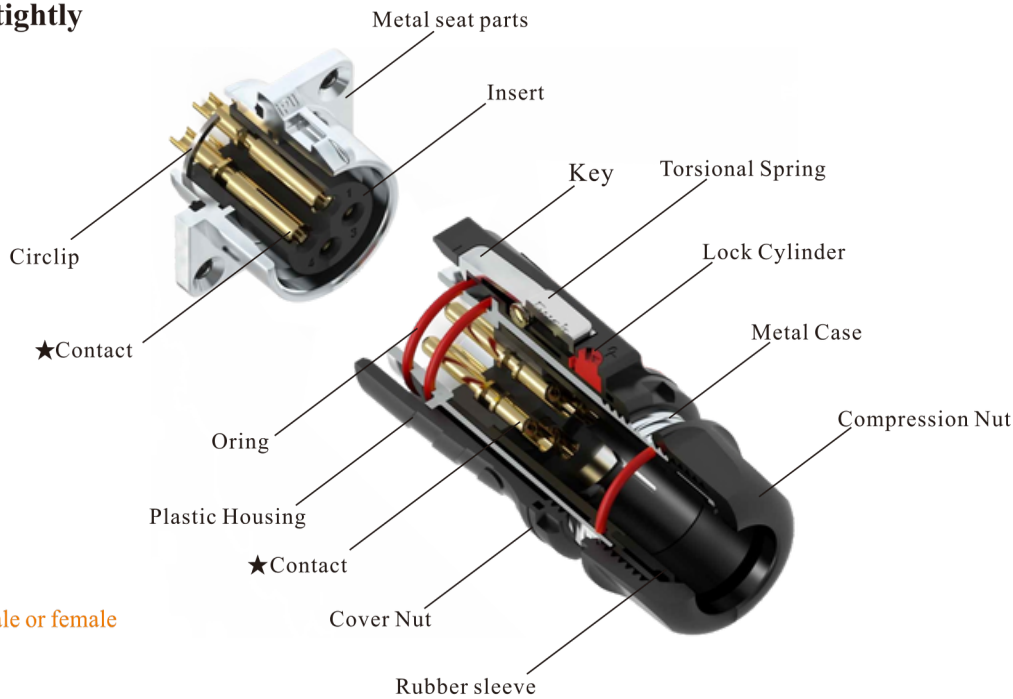
- Reliable Quick Connection
Optional Shielding function

- Key lock structure, requires tool to unplug

- Embedded sealing for Aging Resistant



- WK16 Series IP68
- WK20 Series IP68
- Lock the hook tightly

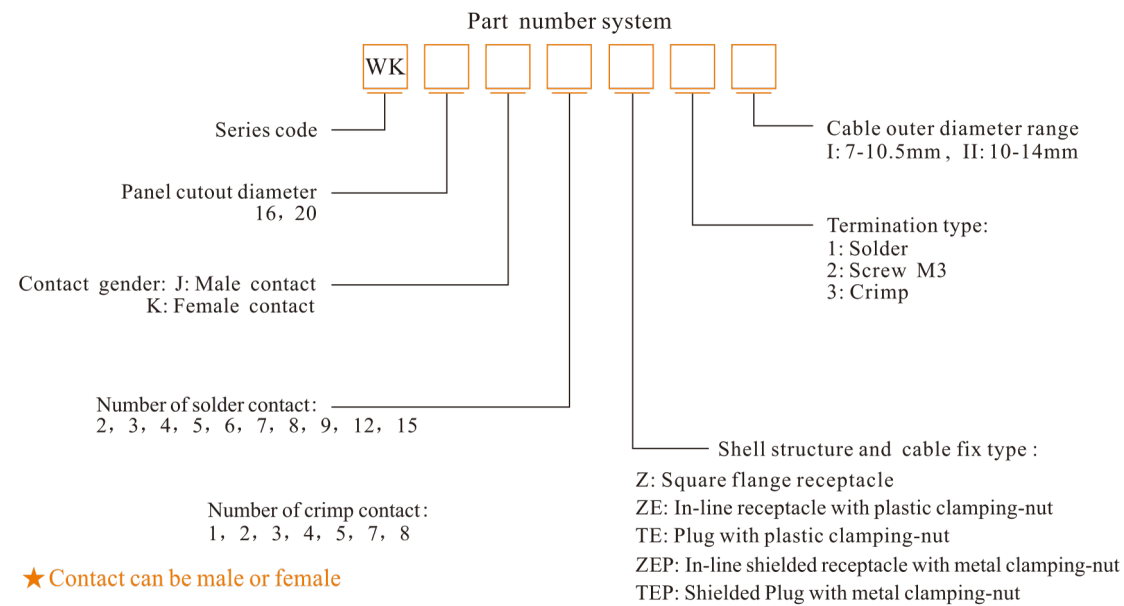


★ Contact can be male or female

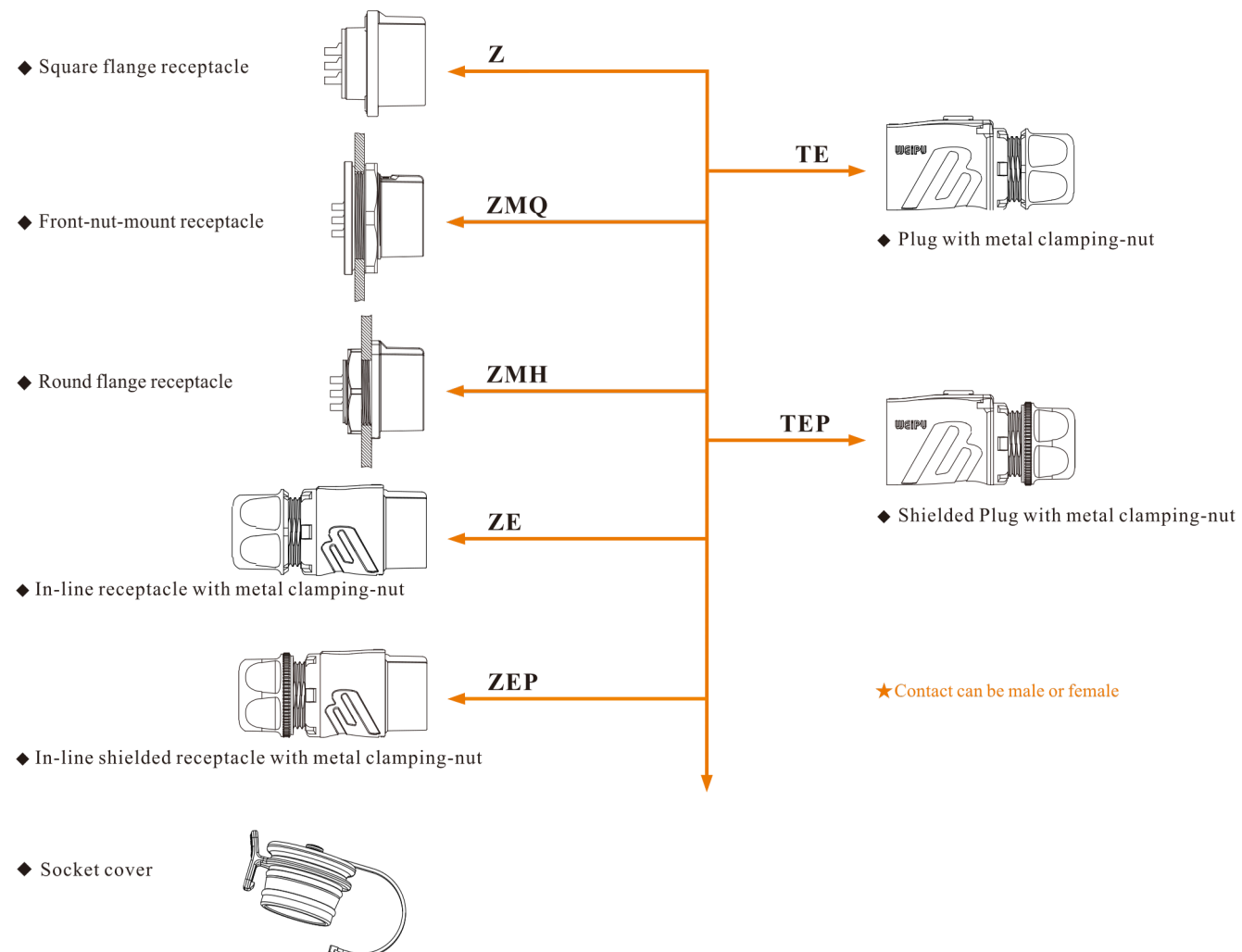
Material and spec

Specifications	WK16	WK20
Coupling	Push lock	
Shell	PPE / Zinc alloy	
Insert material	PPS, PBT max temperature 260 °C	
Contact material	Brass	
Contact plating	Gold Plating	
Termination	Solder: Ø1mm, Ø1.5mm contact	Solder: Ø1mm, Ø2mm, Ø3mm contact Screw: Ø3mm contact Crimp
Key lock	Without	With
IP rating	IP68	IP68
Mating cycle	500	
Temperature range	-40℃~+105℃	
Insulation resistance	2000 MΩ	

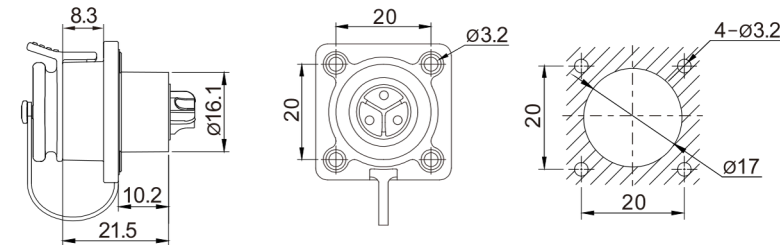
● WK Series



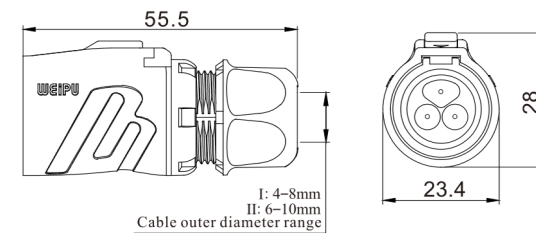
WK Series Mating diagram



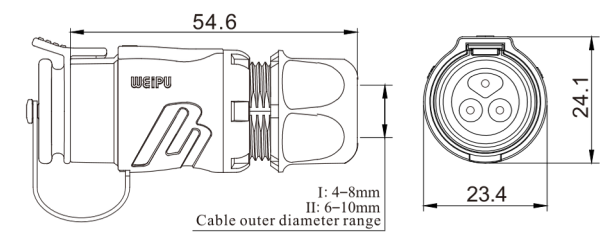
● Square flange receptacle: Z



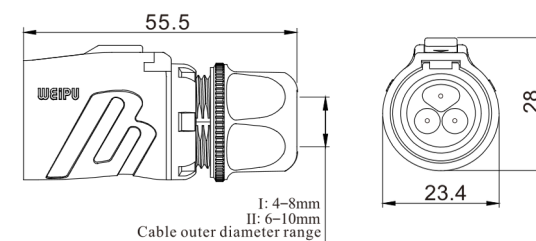
● Plug with plastic clamping-nut: TE



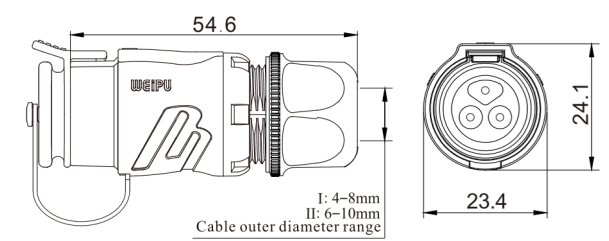
● In-line receptacle with plastic clamping-nut: ZE



● Shielded Plug with metal clamping-nut: TEP



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

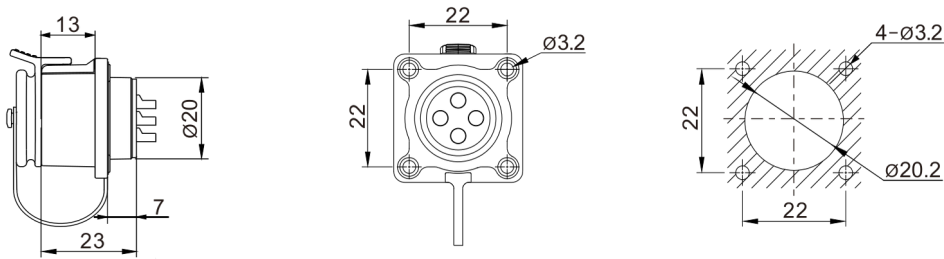


Solder contact spec

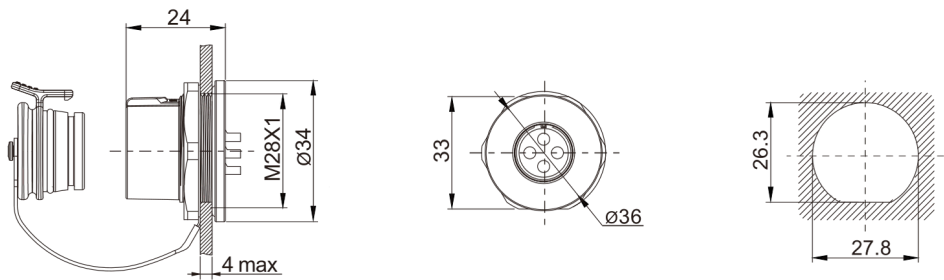
WK16	2	3	4	5	7	8	9
Male contact face view							
Rated current (A)	10	10	10	5	5	5	5
Contact diameter(mm)	Ø1.5X2	Ø1.5X3	Ø1.5X4	Ø1X5	Ø1X7	Ø1X8	Ø1X9
Rated voltage (AC.V)	400	400	400	250	250	250	250
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1500
Contact resistance(mΩ)	2.5	2.5	2.5	5	5	5	5
Wire size (mm²/AWG)	≤1.5/16	≤1.5/16	≤1.5/16	≤0.75/20	≤0.75/20	≤0.75/20	≤0.75/20



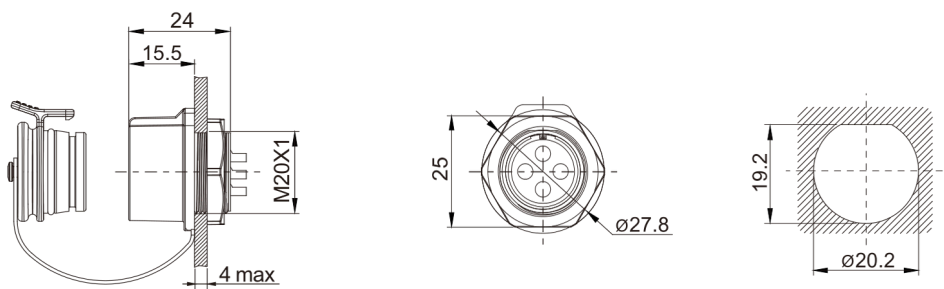
● Square flange receptacle: Z



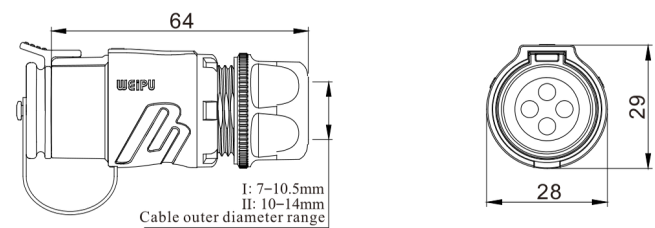
● Front-nut-mount receptacle: ZMQ



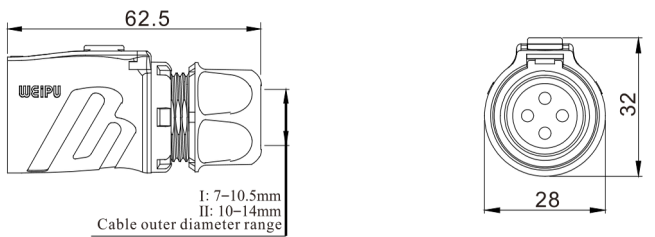
● Round flange receptacle: ZMH



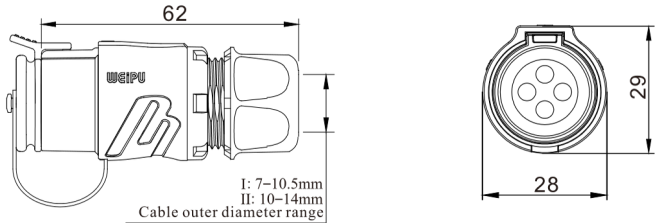
● In-line shielded receptacle with metal clamping-nut: ZEP



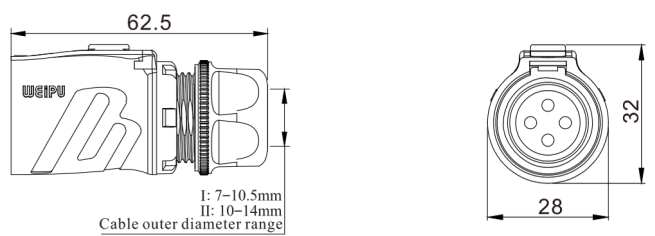
● Plug with plastic clamping-nut: TE



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



● Shielded Plug with metal clamping-nut: TEP



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 for solder (mm ² / 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

Screw contact spec

SP21, SY21, WP20, WK20	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 (mm ² / AWG)	≤1.5/15	≤1.5/15	≤1.5/15	≤1.5/15

WK Series

