

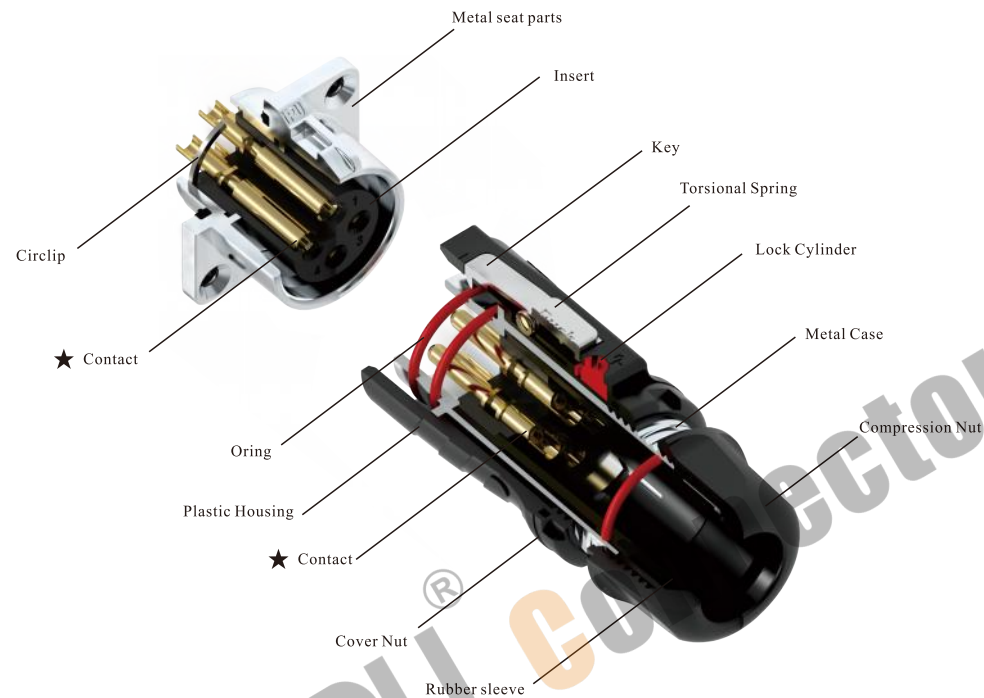
WK series push-lock connection



IP68



● Part Section Showing Internal Components



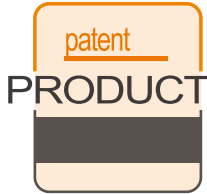
Material and spec

Specifications	WK16	WK20	WK24	WK28
Coupling	Push-lock 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, Ø2mm, Ø2.5mm, Ø3mm, Ø3.5mm, Ø5mm Screw: Ø2.5mm, Ø3mm, Ø3.5mm Crimp: Ø1mm, Ø1.5mm, Ø2.5mm, Ø3.5mm, Ø5.5mm			
Key lock	Yes			
IP rating	IP68 (mated)			
Mating cycle	500			
Working temperature range	-40°C ~ +105 °C			
Insulation resistance	2000 MΩ			

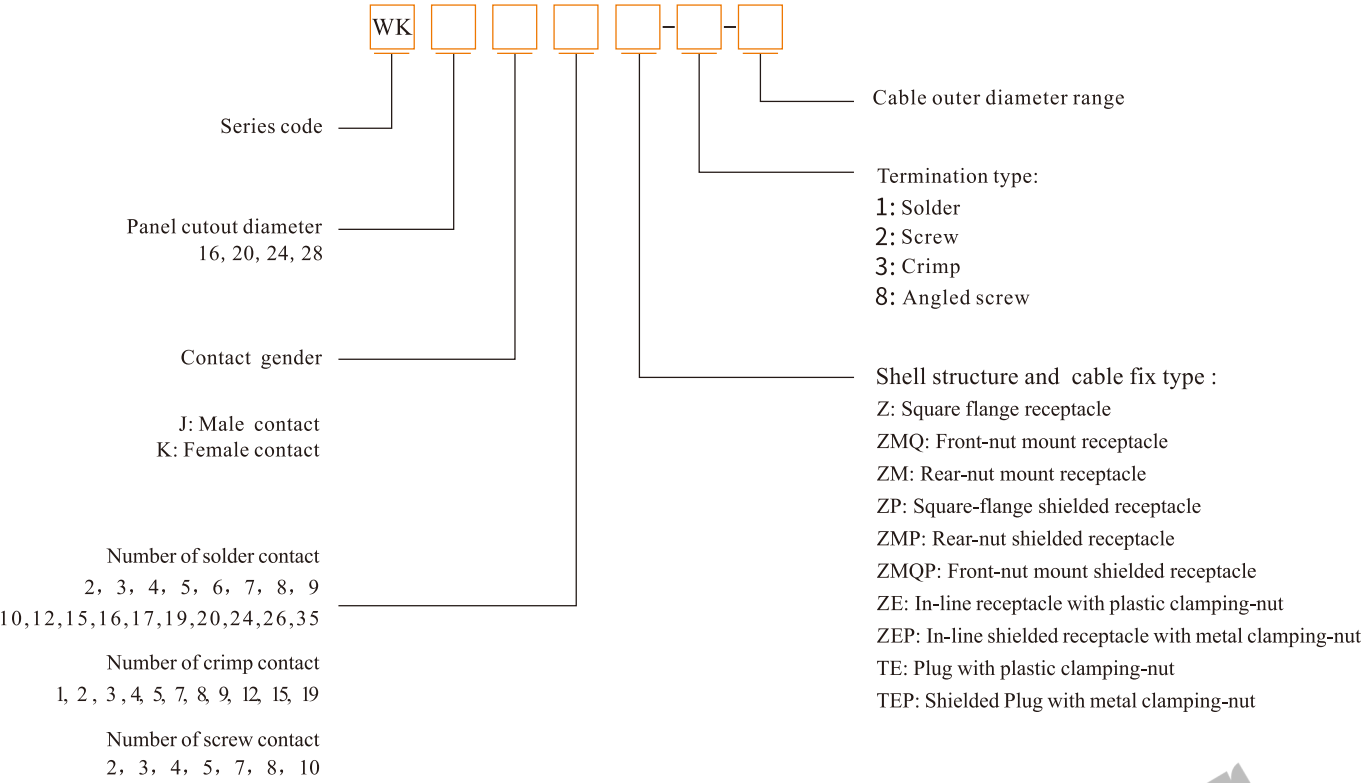
WK Series Push-lock connector

● Product characteristics

- Quick installation of product wiring, direct push-lock buckle Quick plugging/unplugging;
- With button lock function;
- Optional shielding function;
- IP68 waterproof.

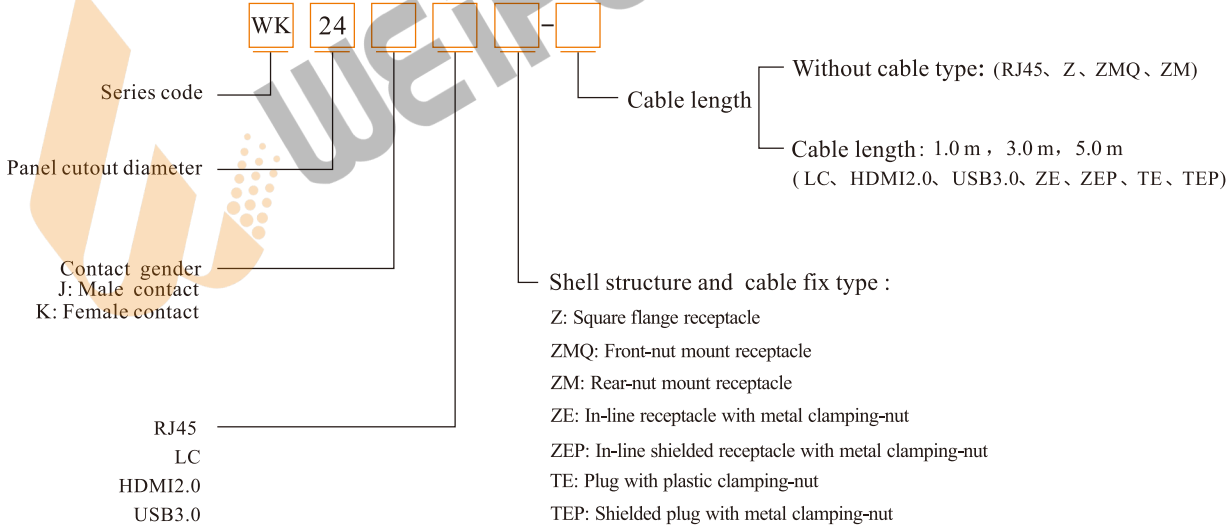


● Wk Part number system

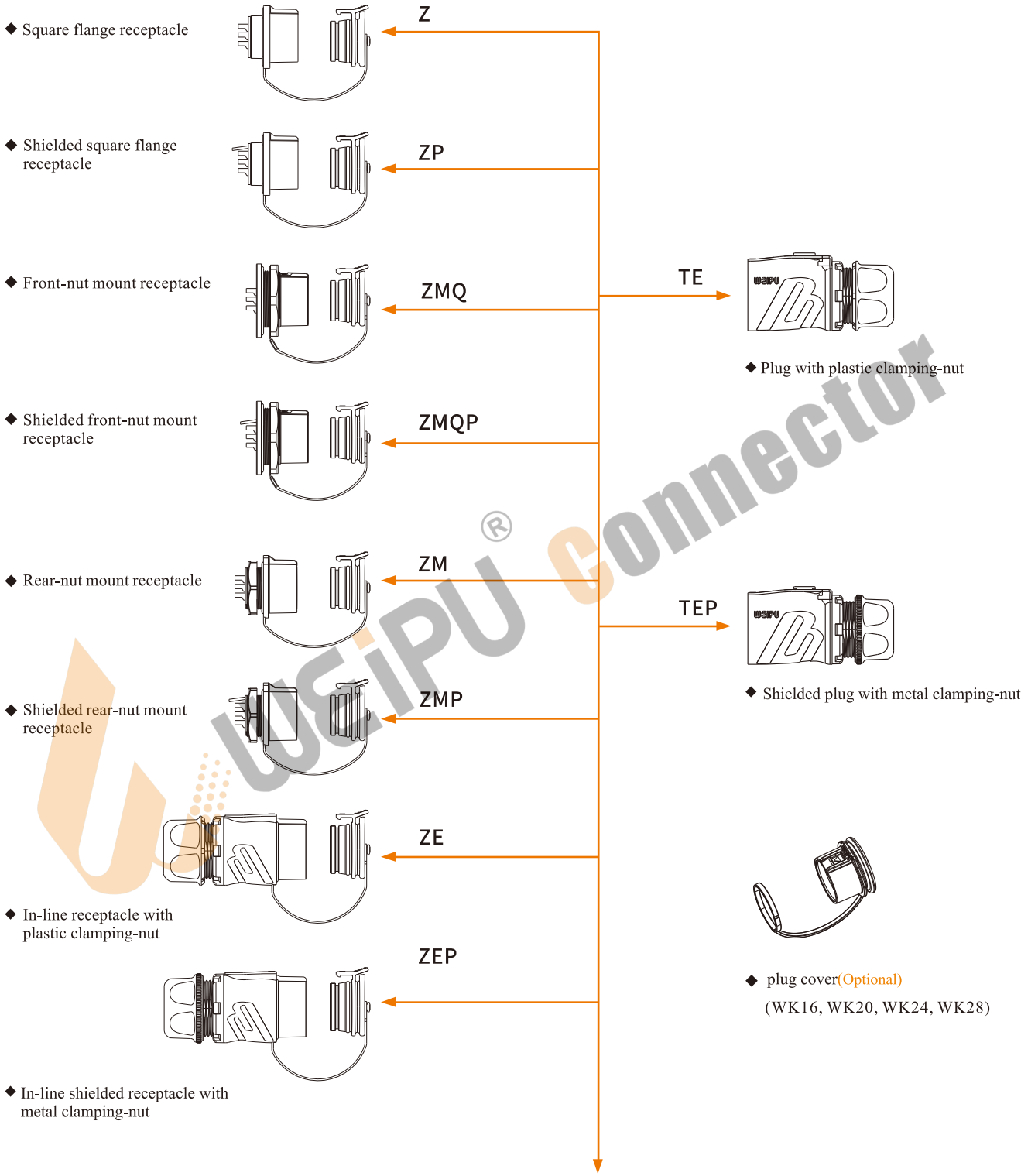


★ Contacts can be male or female

● WK24 Part number system - for signal & Data connector



● WK Series Mating diagram



★ IP rating is achieved after mating or with cap

★ Angled Screw contact spec see P23

★ Contacts can be male or female

★ Crimp contact spec see P22

★ Screw contact spec see P23

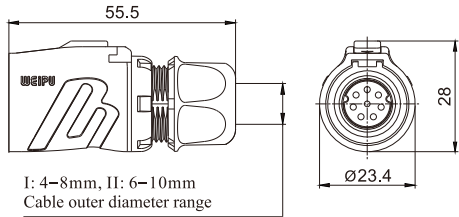
WK16 Series



Plug with plastic clamping-nut: TE
Two types: male and female contacts

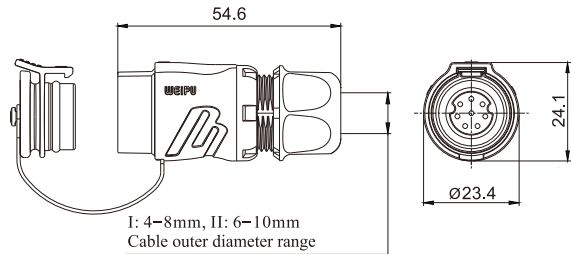
Optional plug cover

WK16__TE__



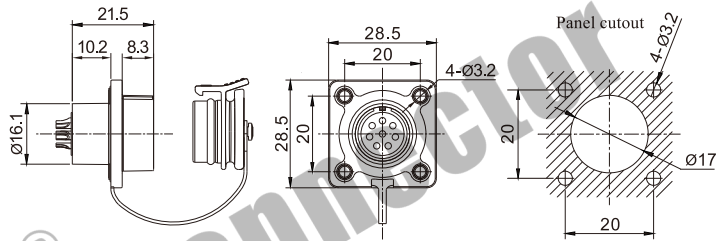
In-line receptacle with plastic clamping-nut: ZE
Two types: male and female contacts

WK16__ZE__



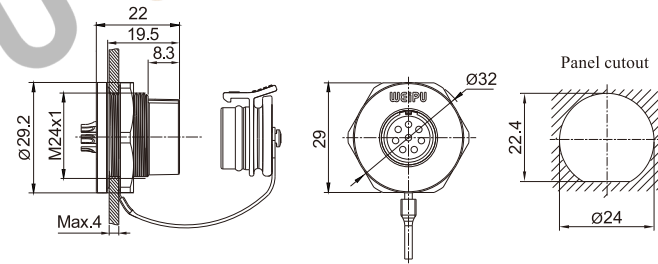
Square flange receptacle: Z
Two types: male and female contacts

WK16__Z__



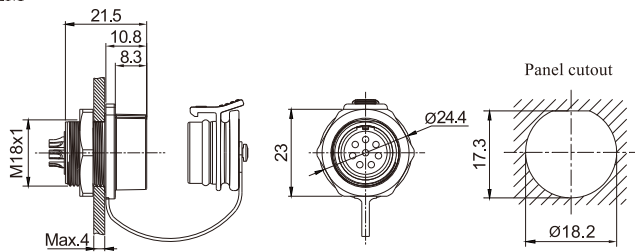
Front-nut mount receptacle: ZMQ
Two types: male and female contacts

WK16__ZMQ__



Rear-nut mount receptacle: ZM
Two types: male and female contacts

WK16__ZM__



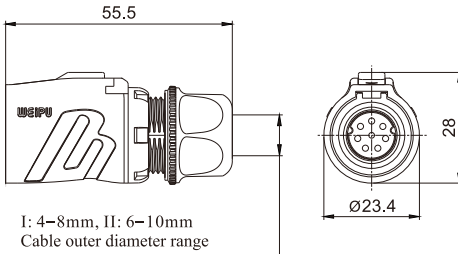
WK16 Shielded Series



Shielded Plug with metal clamping-nut: TEP
Two types: male and female contacts

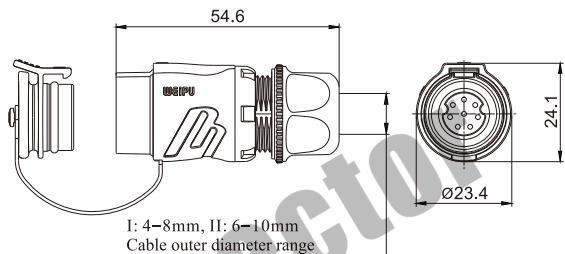
Optional plug cover

WK16__TEP__



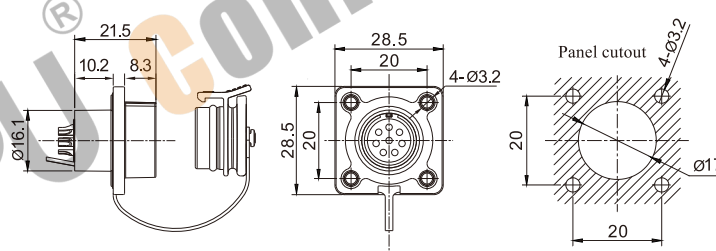
In-line shielded receptacle with metal clamping-nut: ZEP
Two types: male and female contacts

WK16__ZEP__



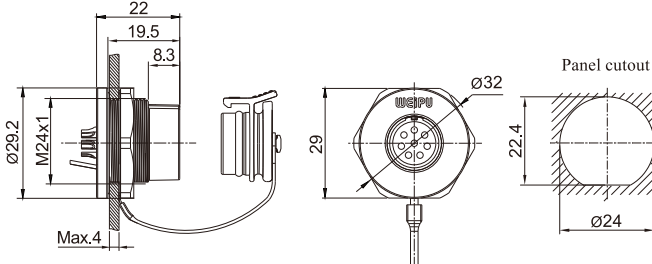
Shielded square flange receptacle: ZP
Two types: male and female contacts

WK16__ZP__



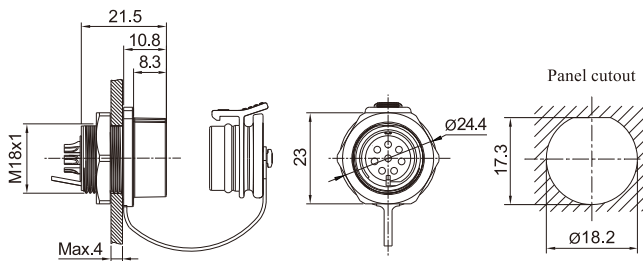
Shielded front-nut mount receptacle: ZMQP
Two types: male and female contacts

WK16__ZMQP__



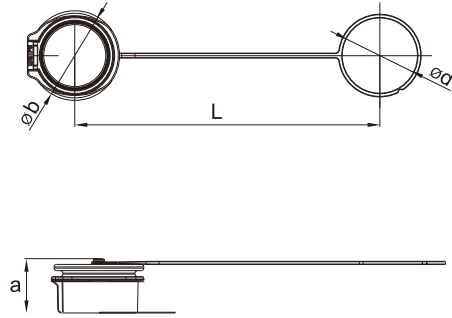
Shielded rear-nut mount receptacle: ZMP
Two types: male and female contacts

WK16__ZMP__



- **Plug Cover for WK16 series**

WK16-GT



Optional plug cover

WK16	Dimension(mm)				Order number
	a	b	d	L	10221001629
	17.3	Ø23.4	Ø19.4	85	

Solder contact spec

WK16		2B	3B	4B	2	3	4	5	7	8	9
Insert mating surface	Male contact										
	Female contact										
Rated current (A)		15	15	15	10	10	10	5	5	5	5
Contact diameter (mm)		Ø2X2	Ø2X3	Ø2X4	Ø1.5X2	Ø1.5X3	Ø1.5X4	Ø1X5	Ø1X7	Ø1X8	Ø1X9
Rated voltage		500	500	500	400	400	400	250	250	250	250
Test voltage(AC.V) 1 min		1500	1500	1500	2000	2000	2000	1500	1500	1500	1500
Contact resistance(mΩ)		2.5	2.5	2.5	3	3	3	5	5	5	5
Wire size (mm ² /AWG)		≤2/14	≤2/14	≤2/14	≤1.5/16	≤1.5/16	≤1.5/16	≤0.5/20	≤0.5/20	≤0.5/20	≤0.5/20
Model compatibility		Weipu-specific version			Market-compatible version						

WK20 Series

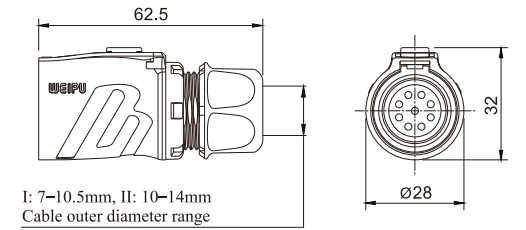
WK20



Plug with plastic clamping-nut: TE
Two types: male and female contacts

WK20__TE__

Optional plug cover

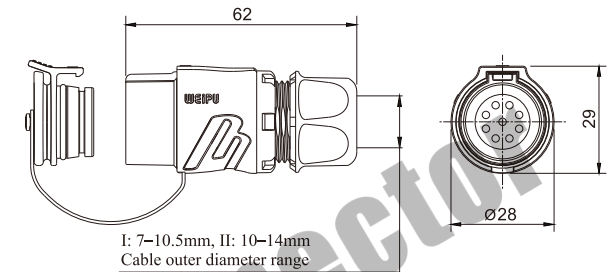


Cable outer diameter range



In-line receptacle with plastic clamping-nut:ZE
Two types: male and female contacts

WK20__ZE__



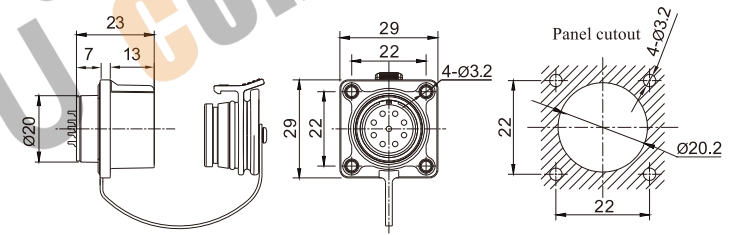
I: 7–10.5mm, II: 10–14mm
Cable outer diameter range



Square flange
receptacle: Z

Two types: male and
female contacts

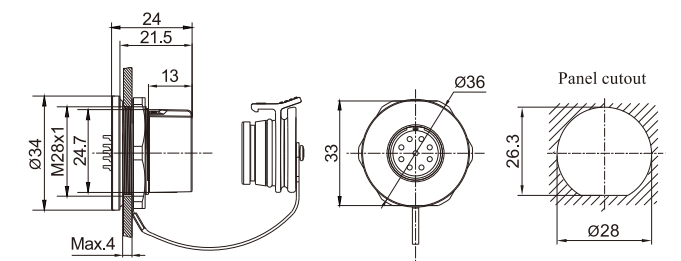
WK20__Z__



Front-nut mount
receptacle: ZMQ

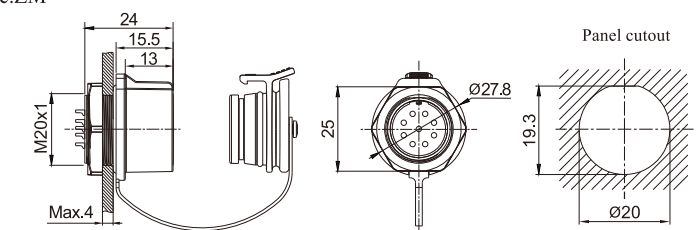
Two types: male and
female contacts

WK20__ZMQ__



Rear-nut mount receptacle:ZM
Two types: male and
female contacts

- WK20__ZM__



WK20 Shielded Series

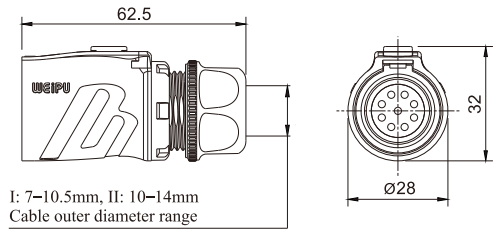
WK20



Shielded Plug with metal clamping-nut:TEP
Two types: male and female contacts

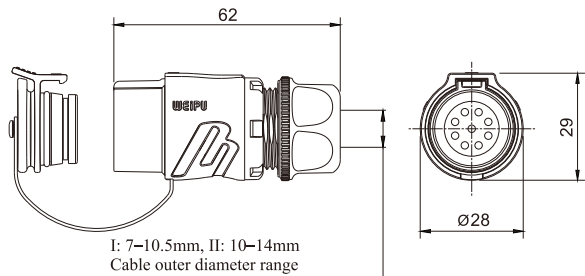
WK20__TEP__

Optional plug cover



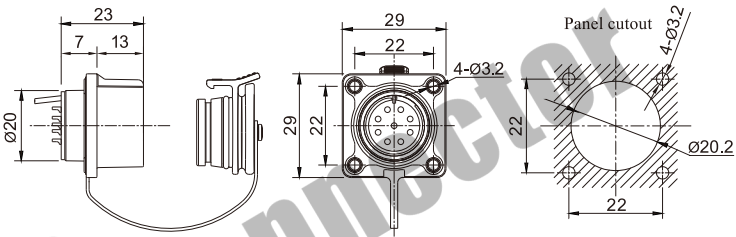
In-line shielded receptacle with metal clamping-nut:ZEP
Two types: male and female contacts

WK20__ZEP__



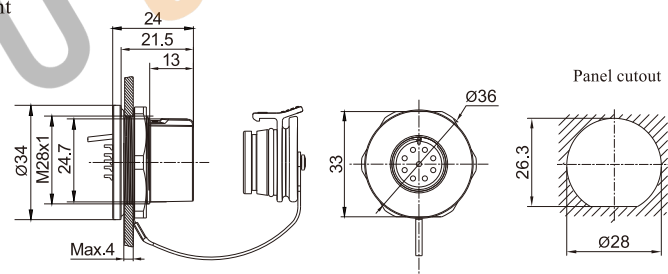
Shielded square flange receptacle:ZP
Two types: male and female contacts

WK20__ZP__



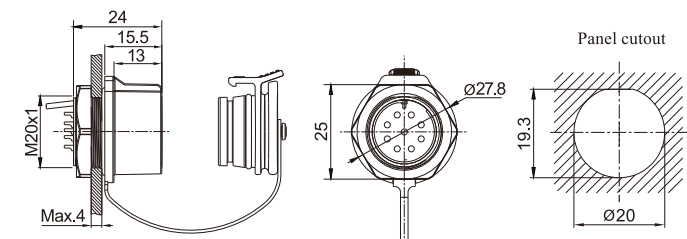
Shielded front-nut mount receptacle:ZMQP
Two types: male and female contacts

WK20__ZMQP__



Shielded rear-nut mount receptacle: ZMP
Two types: male and female contacts

WK20__ZMP__

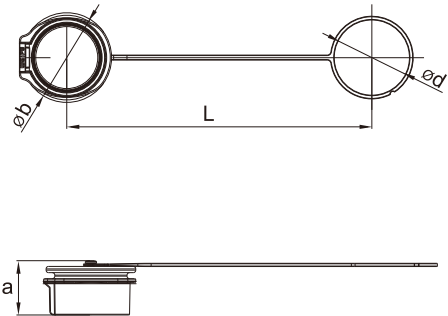


● Plug Cover for WK20 series

WK20-GT



Optional plug cover



WK20	Dimension(mm)				Order number
	a	b	d	L	10221001630
	21.8	Ø27.8	Ø21.8	96.7	

Solder contact spec

WK20		2	3	4	5	5B	5C	6	6B	7	8	9	12	15
Insert mating surface	Male contact													
	Female contact													
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		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 (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

★ Crimp contact spec see P22

★ Screw contact spec see P23

★ Angled Screw contact spec see P23

WK24 Series

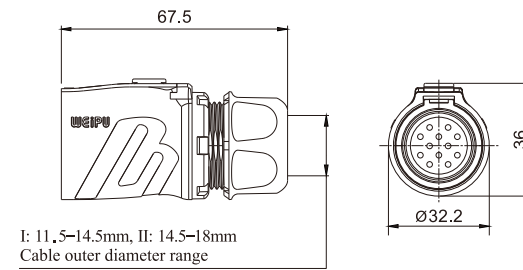
WK24



Plug with plastic clamping-nut: TE
Two types: male and female contacts

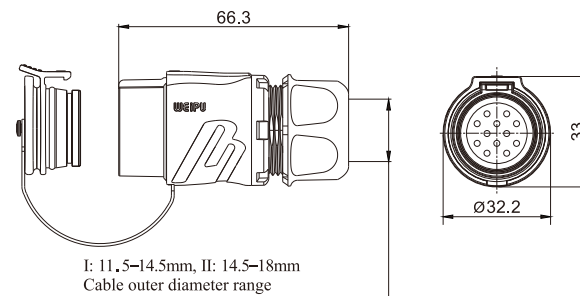
Optional plug cover

WK24__TE__



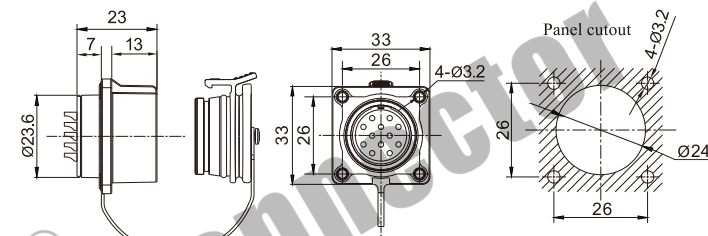
In-line receptacle with plastic clamping-nut: ZE
Two types: male and female contacts

WK24__ZE__



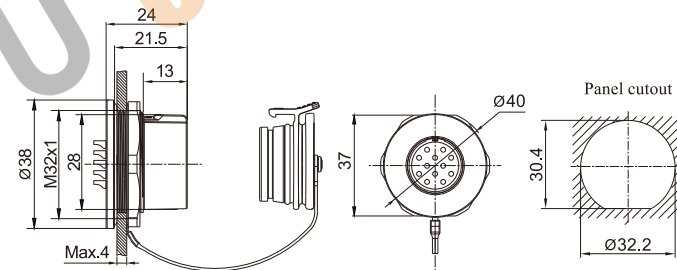
Square flange receptacle: Z
Two types: male and female contacts

WK24__Z__



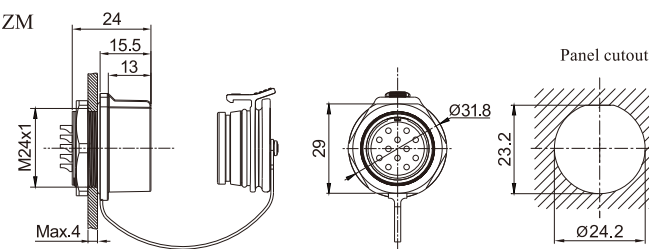
Front-nut mount receptacle: ZMQ
Two types: male and female contacts

WK24__ZMQ__



Rear-nut mount receptacle: ZM
Two types: male and female contacts

WK24__ZM__



WK24 Shielded Series

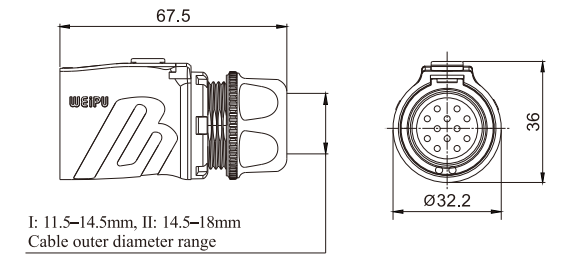
WK24



Shielded Plug with metal clamping-nut: TEP
Two types: male and female contacts

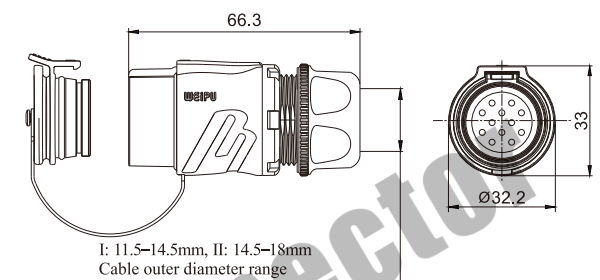
Optional plug cover

WK24__TEP__



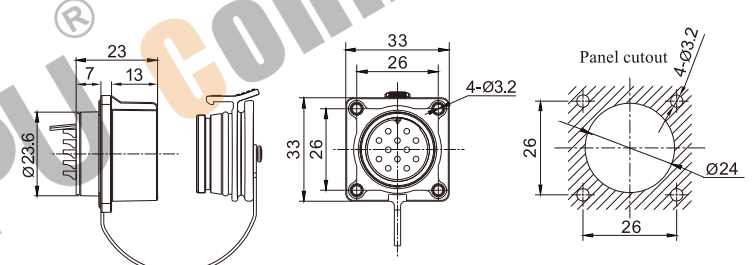
In-line shielded receptacle with metal clamping-nut: ZEP
Two types: male and female contacts

WK24__ZEP__



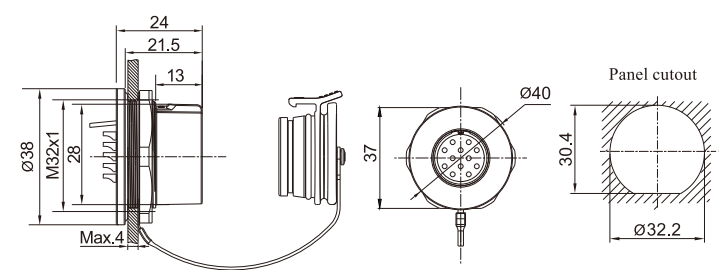
Shielded square flange receptacle: ZP
Two types: male and female contacts

WK24__ZP__



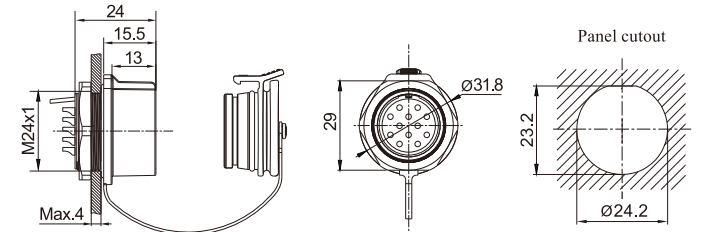
Shielded front-nut mount receptacle: ZMQP
Two types: male and female contacts

WK24__ZMQP__



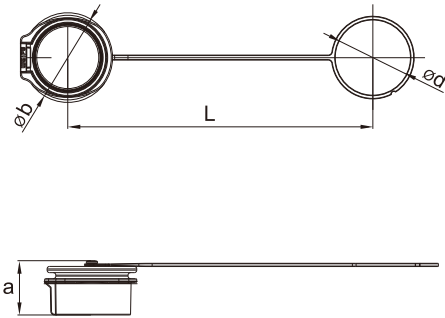
Shielded rear-nut mount receptacle: ZMP
Two types: male and female contacts

WK24__ZMP__



● Plug Cover for WK24 series

WK24-GT



Optional plug cover

WK24	Dimension(mm)				Order number
	a	b	d	L	
	21.8	Ø31.8	Ø26.2	98.5	

Solder contact spec

WK24		2	3	4	9	10	12	12B	19
Insert mating surface	Male contact								
	Female contact								
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		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

★ Crimp contact spec see P22

★ Screw contact spec see P23

★ Angled Screw contact spec see P23

WK24 RJ45 Series

★ Cable length can be customized

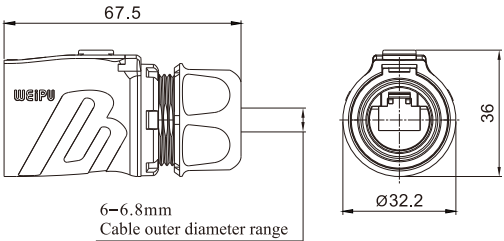
WK24



WK24JRJ45TE

RJ45 plug with plastic clamping-nut

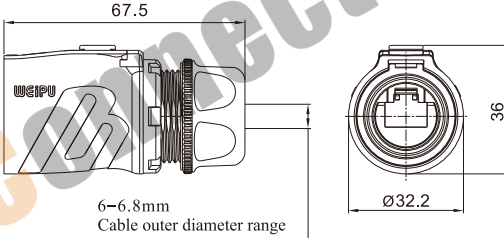
Mate with:
WK24KRJ45-C6ZE、
WK24KRJ45-C6ZEP、
WK24KRJ45-C6Z、
WK24KRJ45-C6ZM、
WK24KRJ45-C6ZMQ



WK24JRJ45TEP

RJ45 shielded Plug with metal clamping-nut

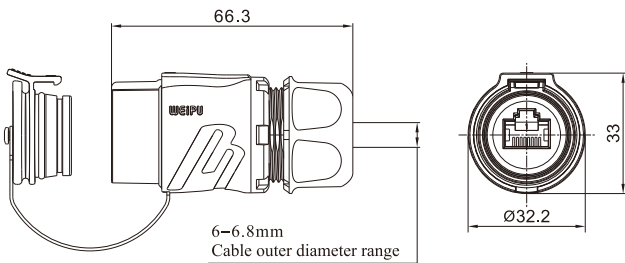
Mate with:
WK24KRJ45-C6ZE、
WK24KRJ45-C6ZEP、
WK24KRJ45-C6Z、
WK24KRJ45-C6ZM、
WK24KRJ45-C6ZMQ



WK24KRJ45_ZE

RJ45-C6 in-line receptacle with plastic clamping-nut

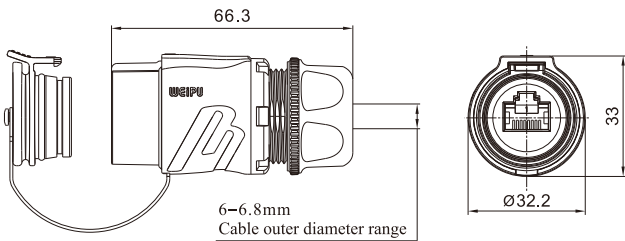
Mate with:
WK24JRJ45TE、
WK24JRJ45ZEP



WK24KRJ45_ZEP

RJ45-C6 in-line shielded receptacle with metal clamping-nut

Mate with:
WK24JRJ45TE、
WK24JRJ45ZEP



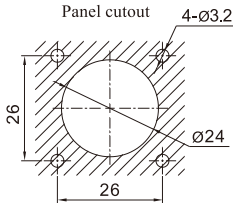
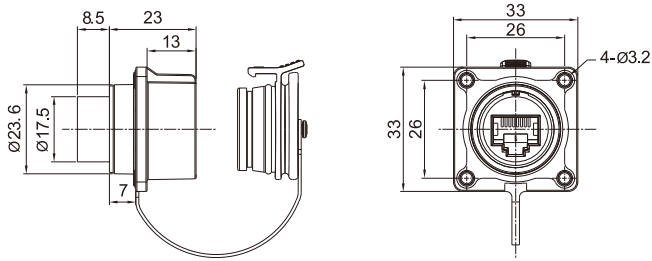
WK24RJ45 Series

WK24



RJ45-C6 square flange
receptacle

Mate with:
WK24JRJ45TE、
WK24JRJ45TEP

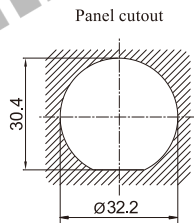
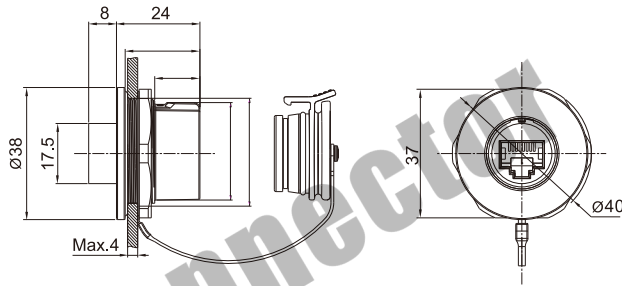


WK24KRJ45 Z
-C6



RJ45-C6 front-nut mount
receptacle

Mate with:
WK24JRJ45TE、
WK24JRJ45TEP

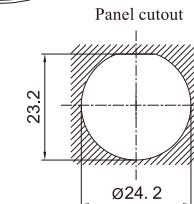
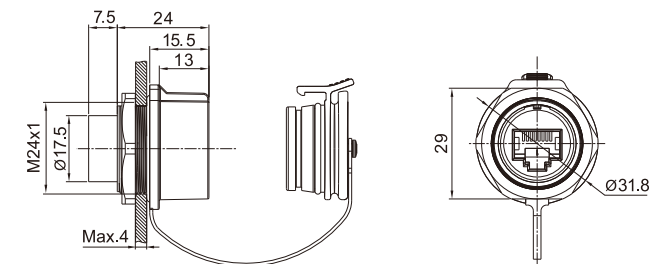


WK24KRJ45 ZMQ
-C6



RJ45-C6 rear-nut mount
receptacle

Mate with:
WK24JRJ45TE、
WK24JRJ45TEP



WK24KRJ45 ZM
-C6

WK24 LC Series

★ Cable length can be customized

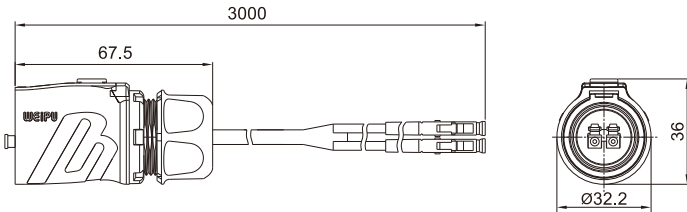
WK24



LC Plug with plastic clamping-nut

Mate with:
WK24KLCZE、
WK24KLCZ、
WK24KLCZM、
WK24KLCZMQ

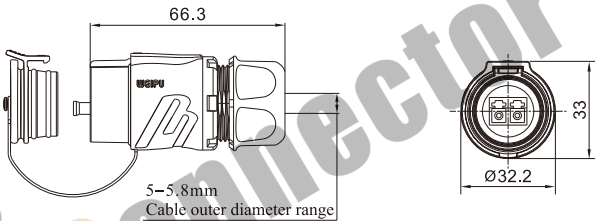
WK24JLC TE-
1.0m
3.0m
5.0m



LC in-line receptacle with plastic
clamping-nut

Mate with:
WK24KLCZE

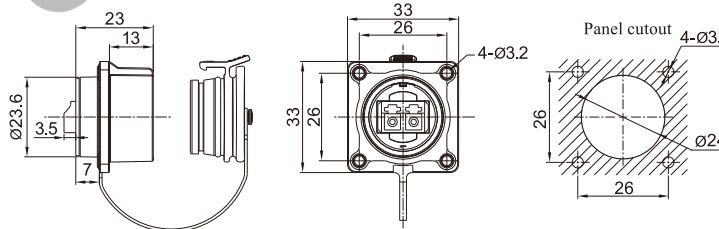
WK24KLC ZE-
1.0m
3.0m
5.0m



LC square flange
receptacle

Mate with:
WK24JLC TE

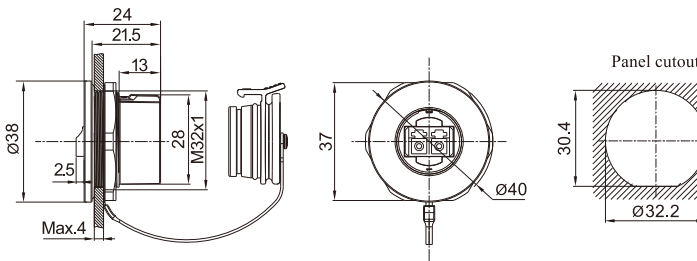
WK24KLC Z



LC front-nut mount
receptacle

Mate with:
WK24JLC TE

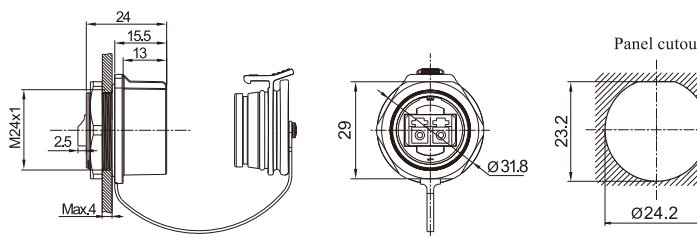
WK24KLC ZMQ



LC rear-nut mount
receptacle

Mate with:
WK24JLC TE

WK24KLC ZM



WK24 USB Series

★ Cable length can be customized

WK24

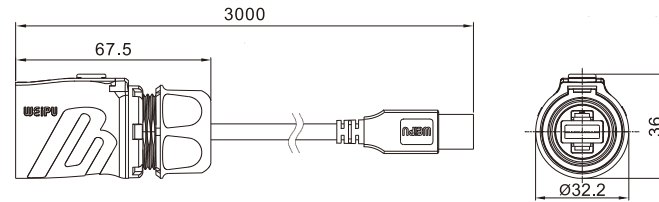


WK24JUSB3.0TE-

1.0m
3.0m
5.0m

USB3.0 Plug with plastic clamping-nut

Mate with:
WK24KUSB3.0ZE、
WK24KUSB3.0Z、
WK24KUSB3.0ZM、
WK24KUSB3.0ZMQ

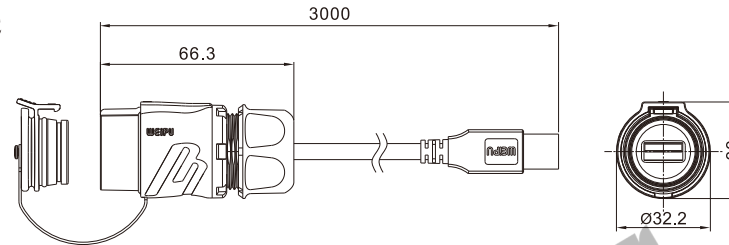


WK24KUSB3.0ZE-

1.0m
3.0m
5.0m

USB3.0 in-line receptacle with plastic clamping-nut

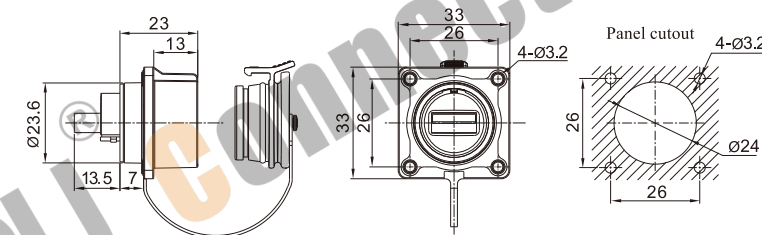
Mate with:
WK24KUSB3.0ZE



WK24KUSB3.0Z

USB3.0 square flange receptacle

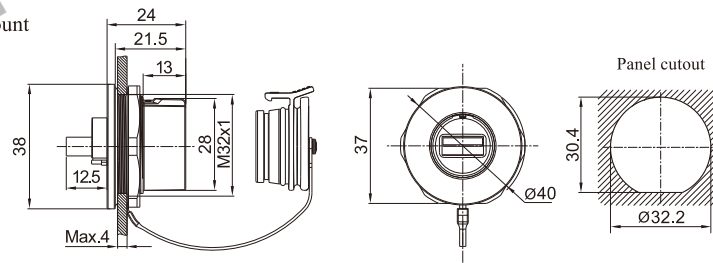
Mate with:
WK24JUSB3.0TE



WK24KUSB3.0ZMQ

USB3.0 front-nut mount receptacle

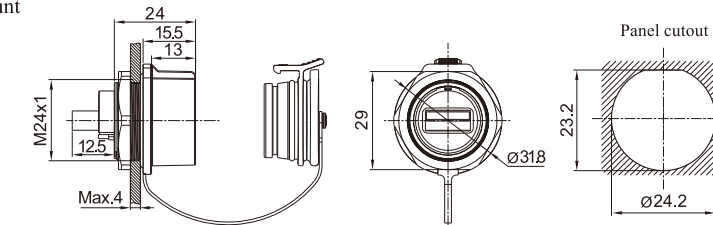
Mate with:
WK24JUSB3.0TE



WK24KUSB3.0ZM

USB3.0 rear-nut mount receptacle

Mate with:
WK24JUSB3.0TE



WK24 HDMI Series

★ Cable length can be customized

WK24

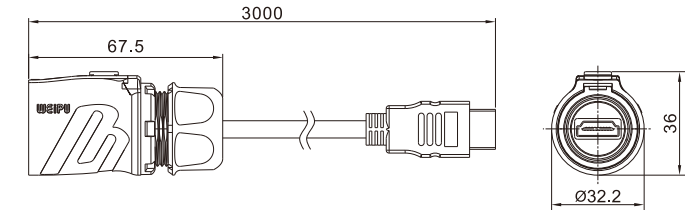


WK24JHDMI2.0TE-

1.0m
3.0m
5.0m

HDMI2.0 Plug with plastic clamping-nut

Mate with:
WK24KHDMI2.0ZE、
WK24KHDMI2.0Z、
WK24KHDMI2.0ZM、
WK24KHDMI2.0ZMQ

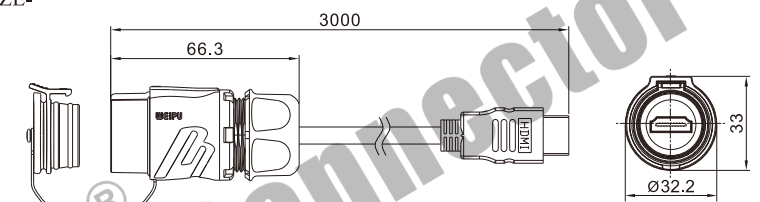


WK24KHDMI2.0ZE-

1.0m
3.0m
5.0m

HDMI2.0 in-line receptacle with plastic clamping-nut

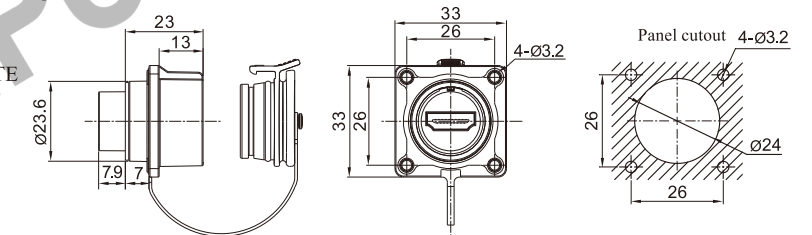
Mate with:
WK24KHDMI2.0ZE-



WK24KHDMI2.0Z

HDMI2.0 square flange receptacle

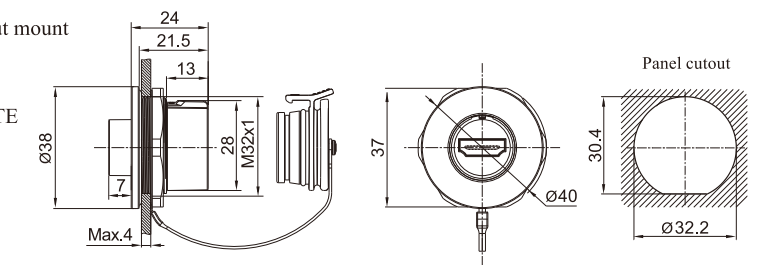
Mate with:
WK24JHDMI2.0TE



WK24KHDMI2.0ZMQ

HDMI2.0 front-nut mount receptacle

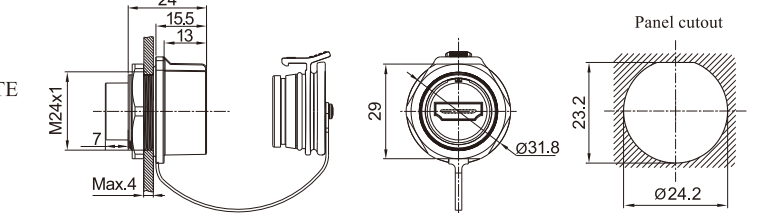
Mate with:
WK24JHDMI2.0TE



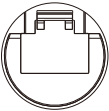
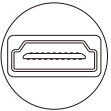
WK24KHDMI2.0ZM

HDMI2.0 rear-nut mount receptacle

Mate with:
WK24JHDMI2.0TE



Solder contact spec

WK24	RJ45	USB	LC	HDMI
Insert mating surface				
Test voltage(AC.V) 1 min	300	300	—	300
Contact resistance(MΩ)	—	10	—	10
Insulation resistance (MΩ)	—	30	—	30
Data transfer rate(MB/s)	1000	500	—	—
Resolution	—	—	—	4K
Cable outer diameter range(mm)	Ø6-6.8	Ø5-5.8	Ø5-5.8	Ø6-6.8
IP rating	IP68	IP68	IP68	IP68

WK28 Series

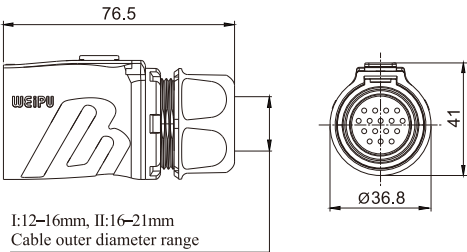
WK28



WK28__TE__

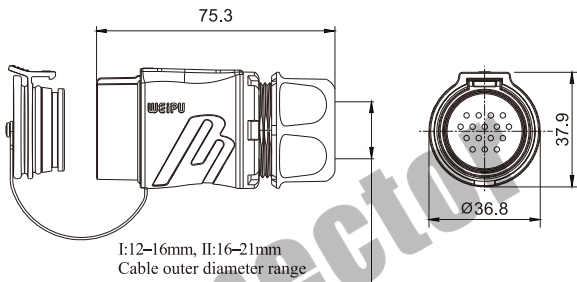
Plug with plastic clamping-nut: TE
Two types: male and female contacts

Optional plug cover



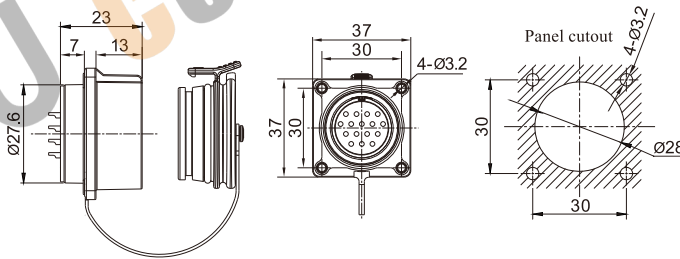
WK28__ZE__

In-line receptacle with plastic clamping-nut:ZE
Two types: male and female contacts



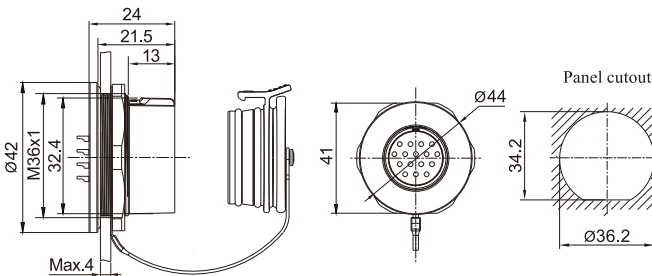
WK28__Z__

Square flange receptacle: Z
Two types: male and female contacts



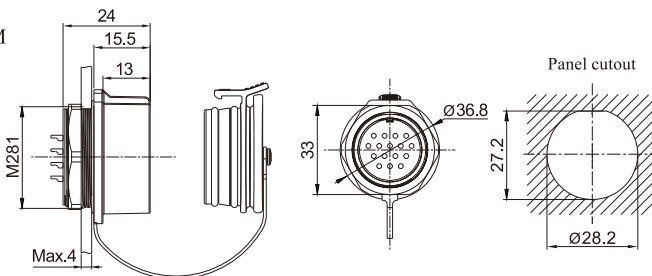
WK28__ZMQ__

Front-nut mount receptacle: ZMQ
Two types: male and female contacts



WK28__ZM__

Rear-nut mount receptacle:ZM
Two types: male and female contacts



WK28 Shielded Series

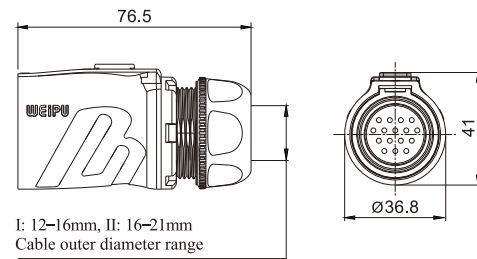
WK28



Shielded Plug with metal clamping-nut: TEP
Two types: male and female contacts

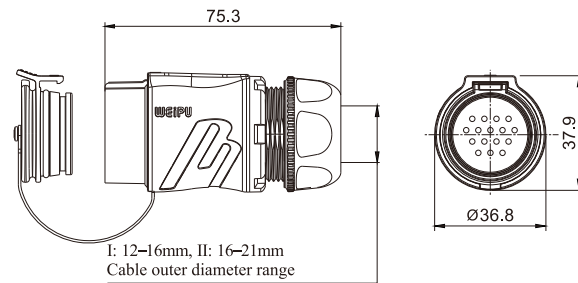
WK28__TEP__

Optional plug cover



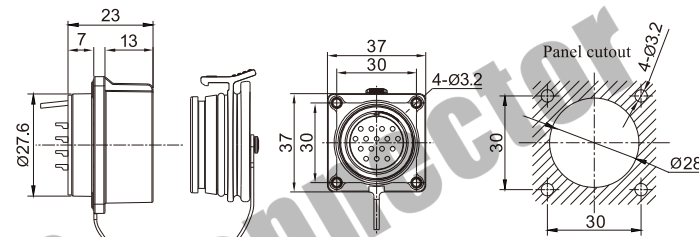
In-line shielded receptacle with metal clamping-nut: ZEP
Two types: male and female contacts

WK28__ZEP__



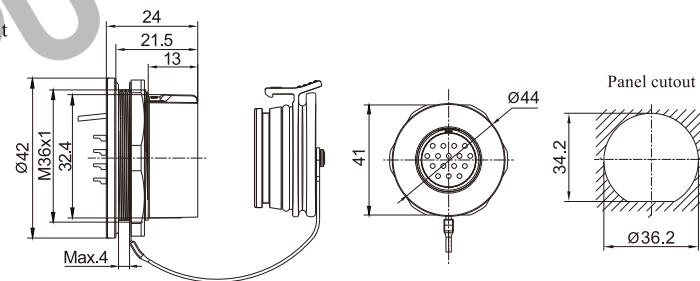
Shielded square flange receptacle: ZP
Two types: male and female contacts

WK28__ZP__



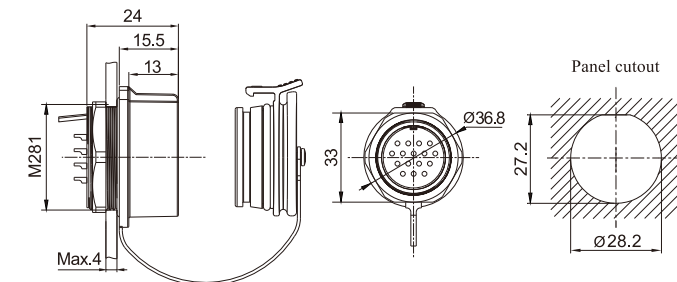
Shielded front-nut mount receptacle: ZMQP
Two types: male and female contacts

WK28__ZMQP__



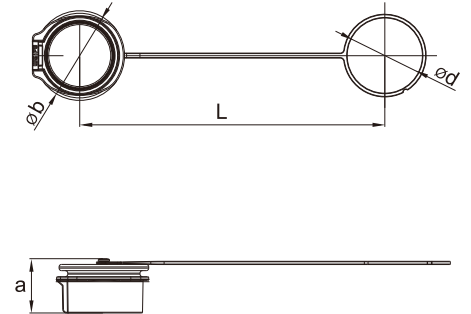
Shielded rear-nut mount receptacle: ZMP
Two types: male and female contacts

WK28__ZMP__



● Plug Cover for WK28 series

WK28-GT



Optional plug cover

WK28	Dimension(mm)				Order number
	a	b	d	L	10221001654
	21.8	Ø36	Ø30.2	112.5	

Solder contact spec

WK28		2	3	4	7	8	8B	9	10	10B	12	16	17	20	24	26	35
Insert mating surface	Male contact																
	Female contact																
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		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

★ Crimp contact spec see P22

★ Screw contact spec see P23

★ Angled Screw contact spec see P23