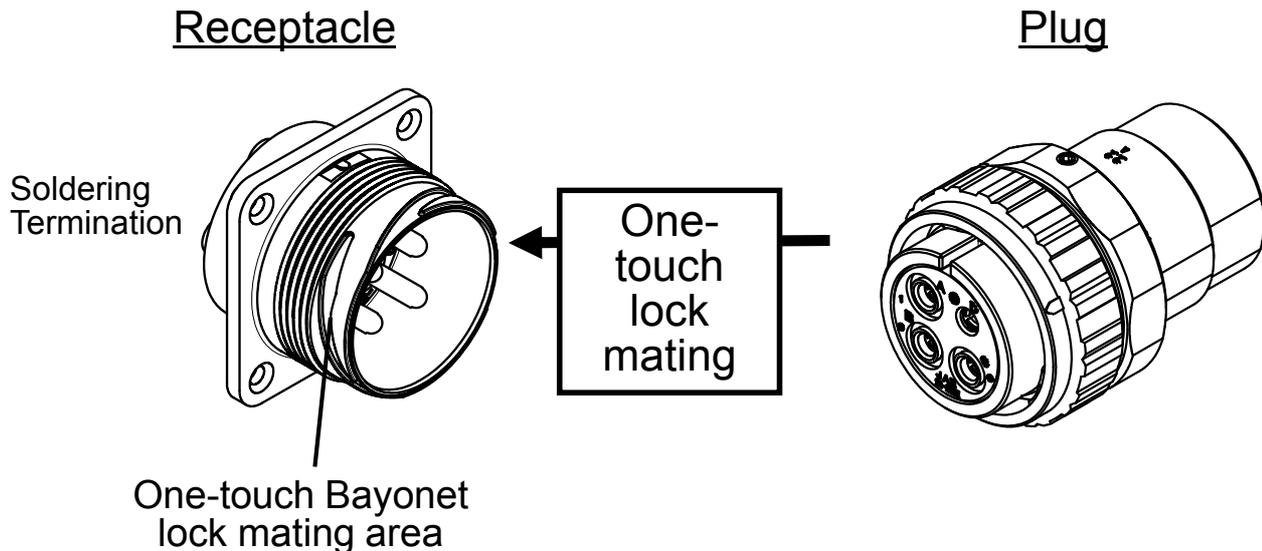


JL10 / W Series**RoHS Compliant**

The JL10/W Series is a connector for outdoor equipment, equipped with a superior bayonet style one-touch lock enabling effortless mating and unmating.

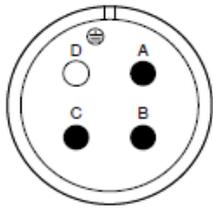
Applicable Market

Base stations for mobile communication devices, outdoor installed equipment, and other various equipment.

Features

- Secure mating with a bayonet lock system with superior operability and efficiency (less screw tightening and no need for torque management)
- A mating guide mark (Color: white arrow) is provided at the mated position for visual confirmation of mating status
- IP67 waterproof and dustproof, with excellent environmental performance for outdoor use.

Contact Arrangement and General Specification
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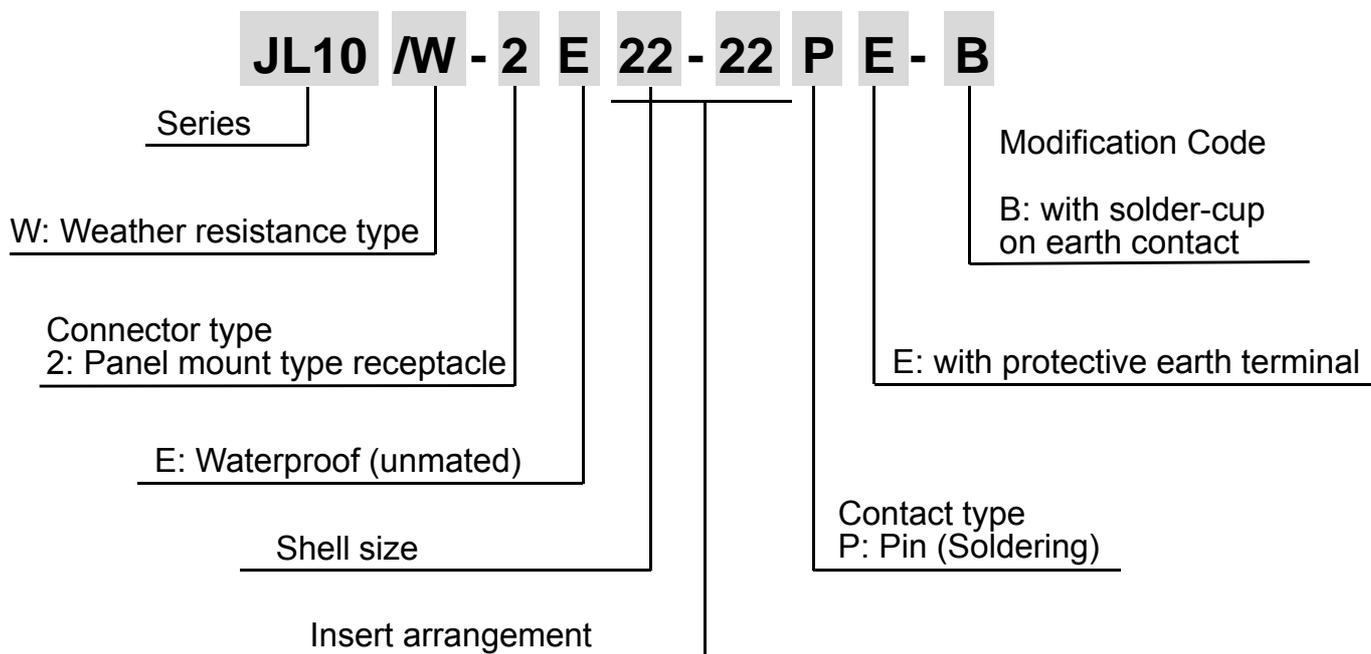
	22-22
Contact Arrangement	
Size x Number of Contacts	#8 x 4
Rated Current	46A / position
Rated Voltage	500VAC
Overvoltage Category	
Pollution Level	2
Dielectric Withstanding Voltage	2000VAC for 1 minute
Insulation Resistance	1000MΩ min. (DC500V energized)
Waterproof	IP67
Termination	Receptacle: crimp Plug: Crimp, solder
Durability	500 mating cycles

Note: For contact arrangement 22-22, solder contacts will be used for 8mm² or 10mm² wire sizes
When using 8mm² or 10mm² contact array 22-22 (soldering type)

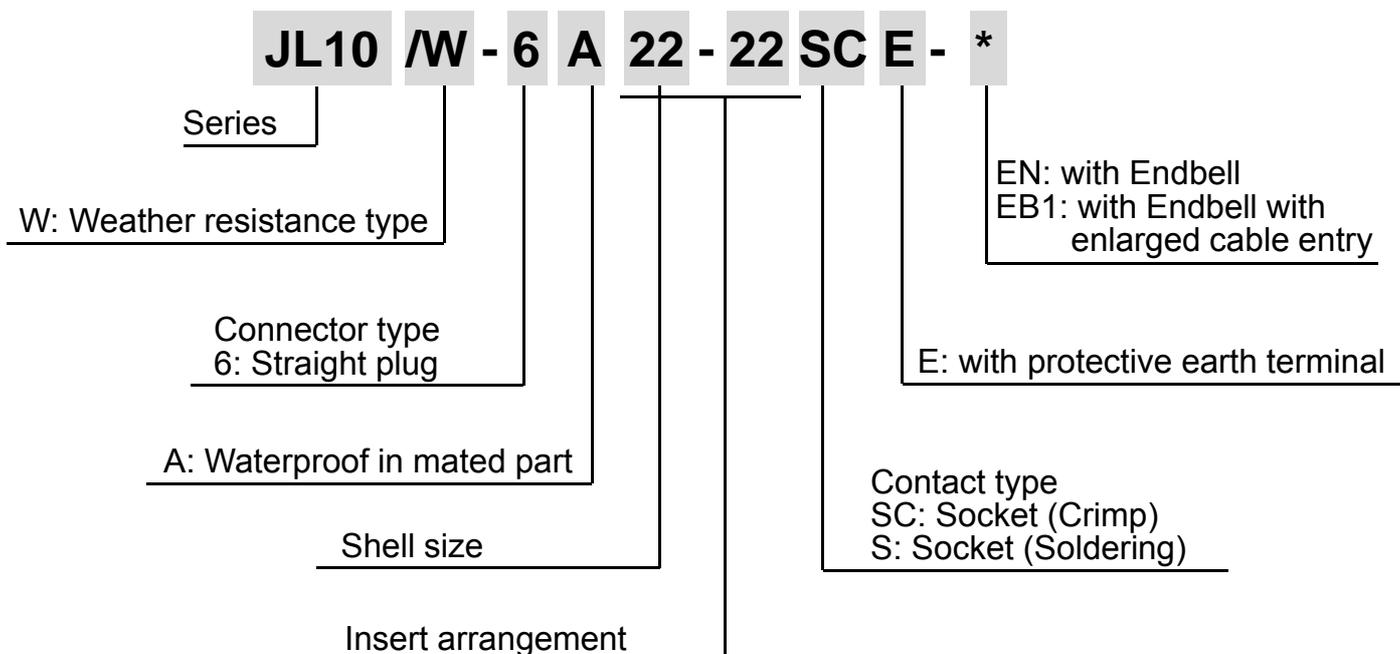
	Components	Material / Finish
Receptacle (soldering)	Contact	Copper alloy / silver plating
	Earth Pin	Copper alloy / nickel plating
	Front Insulator	Silicone rubber
	Rear Insulator	Synthetic resin
	Shell	Aluminum alloy / electrodeposition painting
	Retaining Ring	Copper alloy / zinc plating
Straight Plug	Endbell	Aluminum alloy / electrodeposition painting
	Set Screw	Stainless steel
	O-ring	Synthetic rubber
	Retention Ring	Copper alloy / zinc plating
	Wave Spring	Stainless steel
	C-Type Ring	Stainless steel
	Contact	Copper alloy/ silver plating
	Front Insulator	Synthetic resin
	Rear Insulator	Synthetic resin
	Assembly Nut	Aluminum alloy / electrodeposition painting
	Coupling Nut	Aluminum alloy / electrodeposition painting
	Barrel	Aluminum alloy / electrodeposition painting

Ordering Information

Receptacle



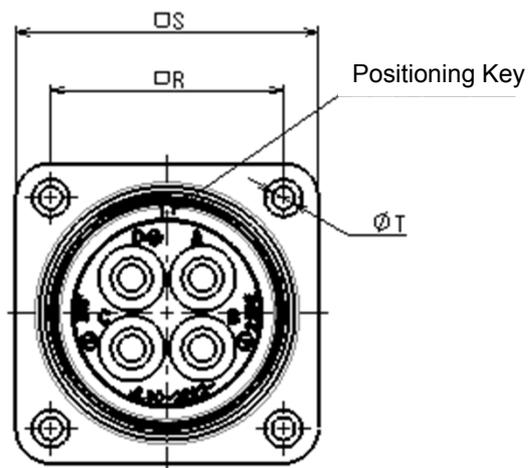
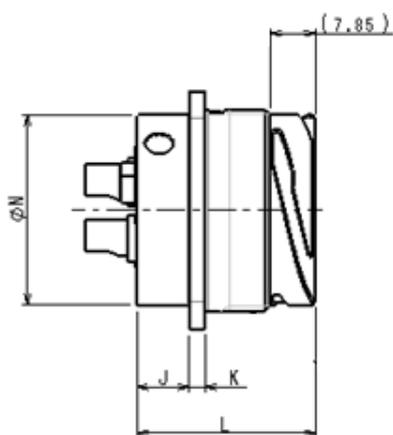
Plug



Part Number / Drawing Number

Contact Arrangement	Receptacle Part Number	Receptacle Drawing Number	Plug Part Number	Plug Drawing Number
22-22	JL10/W-2E22-22PE-B	SJ122249	JL10/W-6A22-22SE-EB	SJ123145
			JL10/W-6A22-22SCE-EB1	SJ122250

Receptacle (Solder-type)

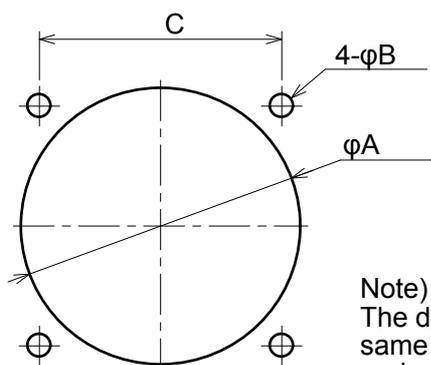


Unit: mm

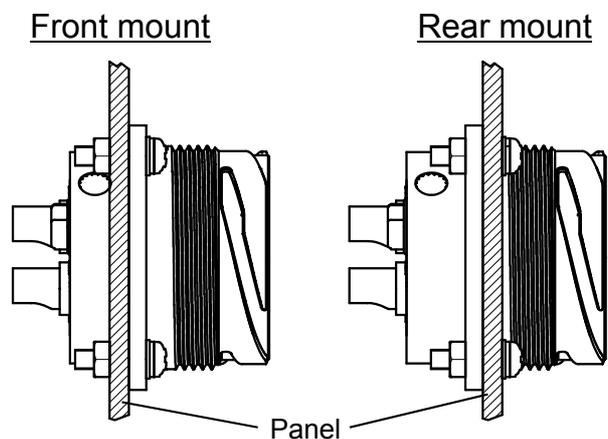
Shell Size	K ± 0.3	J ± 0.3	L ± 0.3	ϕN 0 -0.4	R ± 0.13	S ± 0.79	ϕT +0.2 -0.1
22	2.7	9.1	30.85	33	31.75	41.3	3.1

Dimensions for Panel Mount (for reference)

- (1) Front mount: Mounting the receptacle from the front of the panel or enclosure, with the cable connection on the inside.
- (2) Rear mount: Mounting the receptacle from the rear of the panel or enclosure. Be cautious of the panel thickness in this use case.



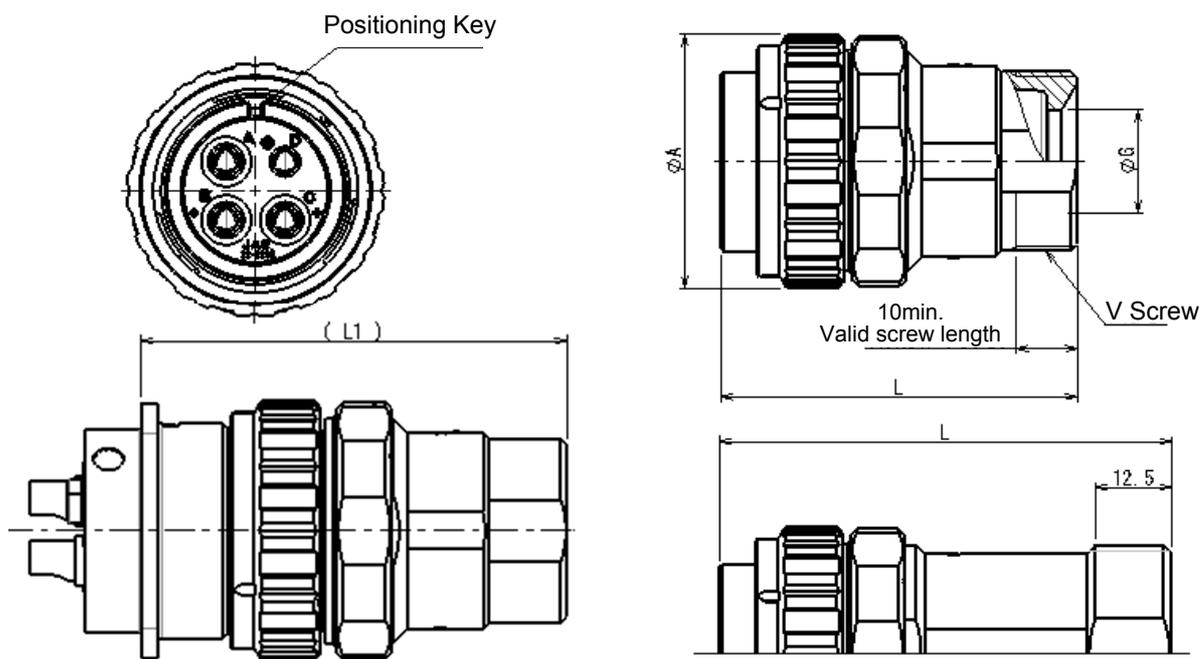
Note)
The diameter φA is the same for front mount and rear mount.



Unit: mm

Shell Size	φA±0.5	φB	C±0.13	Attachment Screw (for reference)		Panel thickness for rear mount
				Metric screw	Unified screw	
22	36.6	3.3	31.75	M 3	#4-40	3mm max.

Straight Plug



Example of 22-22SE-EB
(for reference)

Example of 22-22SE-EB1 (for reference)

Unit: mm

Shell Size	Endbell	ϕA ± 0.8	ϕG ± 0.5	L ± 0.8	(L1)	V Screw
22	EB	42.2	17	58.65	68.5	1 3/16-18UNEF-2A
	EB1	42.2	22	75.35	84.15	1 7/16-18UNEF-2A

Crimp Contact Part Number / Drawing Number List

Insert Array	Contact Size	Contact Part Number	Drawing Number
22-22	#8	CONT-JL10-08S-J1	SJ122417

Note) Crimp type plug and receptacle are sold separately.

Accessories: Cable Clamp (sold separately)
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Unit: mm

Shell Size	Endbell	Part Number	Applicable Cable Diameter
22	EB	JL10/W-2022CK(14)-CR	φ12.9 ~ φ16
	EB1	JL10/W-2428CK(14)-CR	φ12 ~ φ15

Accessories: Gasket (sold separately)

There is a gasket that prevents water ingress into the enclosure through the main body when the receptacle is mounted on a panel (chassis).

Note 1) However, separate ingress protection is required, by the end-user, to prevent water ingress through the panel mounting screw holes.

Shell Size	Gasket Drawing Number	Drawing Number
22	075-50159	SJ009289

Tools

(1) Crimp tool

Contact Size	Tool Type	Applicable Crimp Tool	Manufacturer
#8	Hand Crimp	AK15A AK19A	LOBTEX CO., LTD.

(2) Contact extraction tool

Contact Size	Extraction Tool
#8	JET-GTC-8

Specifications: JACS-50101-5

Handling Instructions: JAHL-50101-5

Notice:

1. The values specified in this brochure are only for reference. The products and their specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products. For purchase, a product specification must be agreed upon.

2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.

3. The products presented in this brochure are designed for the uses recommended below.

We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1) Applications that require consultation:

(i) Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:

Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster prevention equipment, etc.

(ii) We may separately give you our support with a quality assurance program that you specify, when you think of a use such as :

Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2) Recommended applications include:

Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc.

Japan Aviation Electronics Industry, Limited

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