

DH SERIES
Metal circular
Waterproof Connector

DH waterproof connector application type

CNLINKO's DH (M20, M24 type) waterproof connector adopts metal shell, and adopts a unique spring-type connection as a whole, and a rotary locking connection. Precise internal construction and sturdy metal shell structure provide safe and stable connection and transmission performance and ensure the stability of the electrical performance of the device during use.

Series product information:

Series code:	DH-20 、 DH-24
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	Multi-PIN type (2, 3, 4, 5, 7, 9, 10, 12, 14, 19, 24 pins and customized 3+2, 2+6, etc.) Signal (RJ45, optical fiber) Data (USB2.0, USB3.0, HDMI)
Material type:	Metal type

Introduction:

Product types include power, multi-core, mixed, USB2.0, USB3.0, HDMI, RJ45, optical fiber total eight categories. Full metal alloy shell, high impact strength,With the completed standard three point screw locking, it can be operated with one hand, which is easy to operate, safe and reliable.

Main body material, process and surface treatment:

Shell:	Material: Metal	Surface treatment: Chrome plating/anodizing
	Production Process: Die Casting & Machining	

Module material, process and surface treatment:

Contact:	Material: Male/Female Pin (Copper Alloy)	Production Process: Machining & Stamping
	Surface Treatment: Gold plated over nickel	
LC Fiber Contact Material:	Male/Female end (High Modulus Glass Fiber)	
Insulator:	Material: Engineering Plastic	Production process: injection molding

Packaging and Storage:

The product is in a sealed bag, with a small box in the large box, and a label on the small box. The label indicates the product name, model, batch number, and number of products. Packaged products are recommended to be stored in a warehouse with an ambient temperature of 25℃±3℃,a relative humidity of ≤72%, and no acidic, alkaline and other corrosive gases in the surrounding air. Other storage environments may affect product life.

Check the official website DH series area:

Scan the QR code below to check the DH area of CNLINKO's official website. If you have any doubts, you can contact the online customer service for more detailed product information.



QR code of DH series

Applications



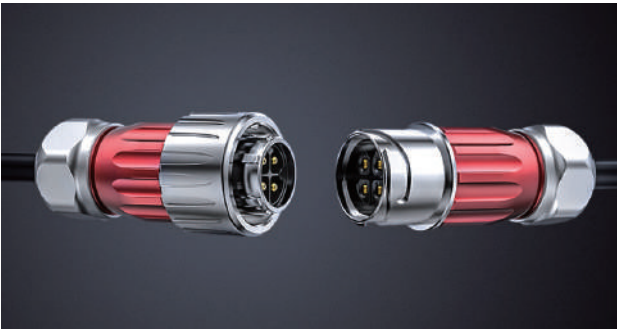
DH-20 series products are used in a medical equipment

Features Overview



Strong anti-vibration and anti-shock

The shell is made of all-metal alloy material with high compressive and tensile strength, which can resist the influence of external vibration and shock.



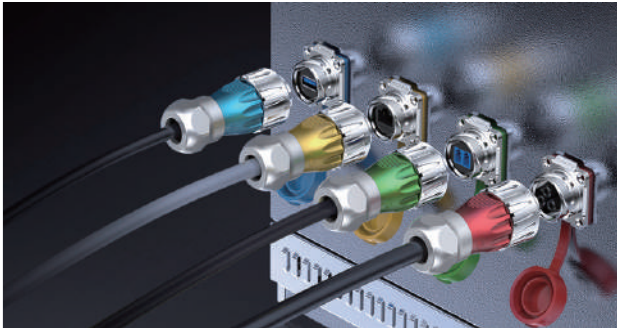
Secure connection and secure locking

With bayonet connection and three-point locking structure design, the retention force is large, and the connection is super stable.



Resistant to high temperature and severe cold

The DH series can adapt to the wide temperature environment of -40~+85℃, and fully meet the test of the outdoor climate environment.



Visualize color distinction

Four colors to visually distinguish power, signal, fiber and data. Types can be identified at a glance to avoid mis-insertion.

Type and Style



High vibration and impact resistance

All-metal version to meet the requirements of high vibration resistance and shock resistance. DH series are all metal models, made of high-quality high-strength alloy materials, which can be used in vibration and shock environments such as vehicles and workshops.



Flexible installation methods

The DH series has three installation methods: Straight receptacle, Flange receptacle, and Floating connector. Users can choose according to actual application scenarios.



A variety of cable assembly methods

DH series provides product types with screw and welding. The screw is quick and convenient, and the welding is more reliable. The conventional model is a welding model, and it supports customization of the lock screw model.

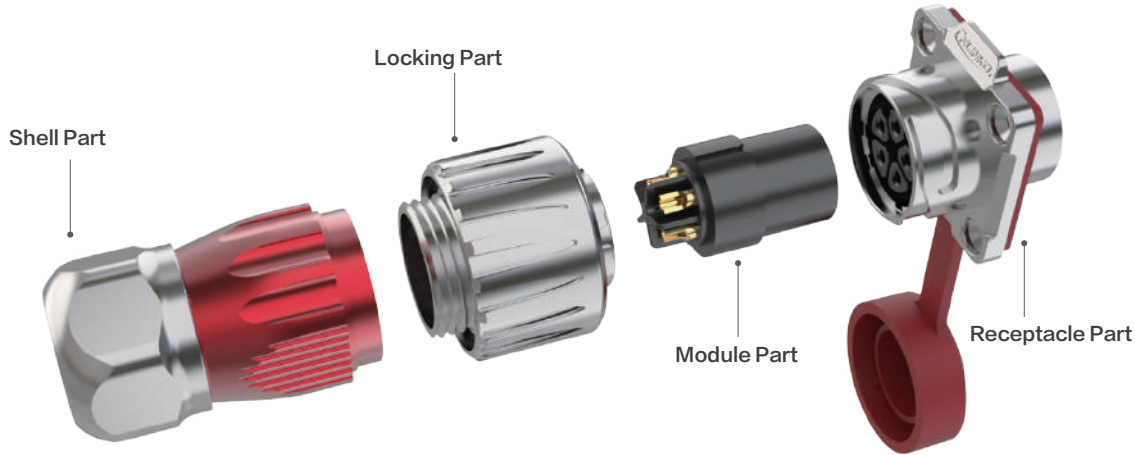


Color can be customized

Color can be customized, your exclusive style. At present, the main colors of the DH series shells include red, yellow, blue, and green. We can also customize other colors to meet the individual needs of users.

Product Structure Image

Dozens of high-quality parts are precisely engaged to ensure the safety and stability of the connector.



Series Infographic

DH SERIES

DH SERIES



DH-20 Series Information Overview

P83

Product application type:	Power: 2/3/4 Pin	
	Signal: 5/7/9/12/14 pin	
Cable O.D:	The current is connected with the operating voltage: 300V (2~5、 7pins) , 250V (8~pins hybrid、 9、 12、 14pins)	
	The rated current: 20A (2~4pins) , 10A (5、 7pins) ,20A+5A (8~pins hybrid) , 5A (9、 12、 14pins)	
Details page:	Product Parameter Map: P83	Dimension Drawing: P85

DH-24 Series Information Overview

P87

Product application type:	Power: 2/3/4 pin	
	Signal: 10/12/19/24 pin, RJ45, Optical fiber	Data: USB, HDMI
	The current is connected with the operating voltage: 500V (10、 12pins) , 300V (2~4pins) , 250V (19、 24pins)	
Cable O.D:	The rated current: 45A(3pins)、 35A(2、 3pins)、 25A(4pins), 10A(10、 12pins), 5A(19、 24pins)	
	Multi-pin type: Φ 10.5~14.0mm、 Φ 7.5~10.5mm、 Φ 5.0~7.0mm、 Φ 4.5~6.0mm	
	Data type: Φ 5.0~Φ 7.0mm (USB、 HDMI)	
Details page:	Signal type: Φ 5.0~Φ 7.0mm (RJ45) , Φ 4.5~Φ 6.0mm (Optical fiber)	
	Product Parameter Map: P87	Dimension Drawing: P89

Main feature:

- Multiple styles of inner core design, multiple PIN types, signal RJ45, optical fiber, data USB, HDMI, etc;
- Adopt military standard three-point screw type tightening connection;
- Effectively reduce electromagnetic and signal RF interference caused by external high current;
- Unique docking design, stable and infinite extension of the cable length;
- The signal transmission is fast and stable, and the data transmission can reach 10Gbps;
- The product complies with the IP67 protection level when connected.



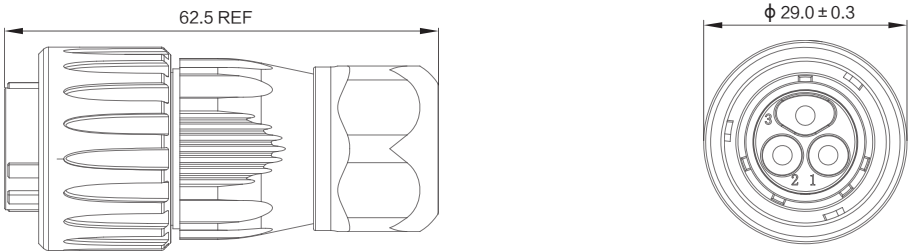
 DH-20 Datasheet

DH-20

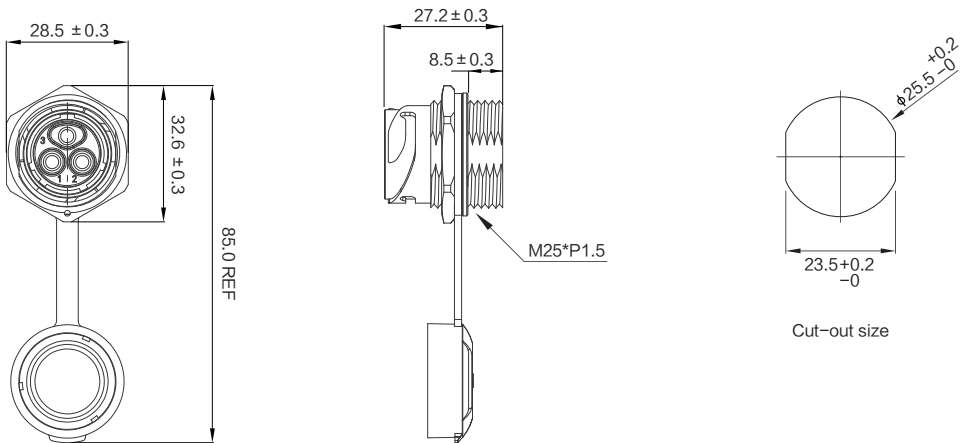
M20 Power/Signal	Product Series		DH-20																			
	Pin Number		2PIN		3PIN		4PIN		5PIN		7PIN		8PIN		9PIN		12PIN		14PIN		—	
	Application Type Section		 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	—	
	Current Rating		20A						10A		10A		20A+5A		5A						—	
	Voltage Rating		AC 300V								AC 300V		AC 250V		AC 250V						—	
	Cable O.D Range		≤ ϕ 12.0mm										≤ ϕ 12.0mm						—			
	Wire Size		2.5mm²/12AWG						1.5mm²/16AWG		1.5mm²/16AWG		4.0mm²/12AWG 0.5mm²/20AWG		0.5mm²/20AWG						—	
	Protection Level		Standard is IP65, IP67&IP68 Option Available										Standard is IP65, IP67&IP68 Option Available									
	Assembly Method		Soldering / Screwing								Soldering											
	Illustration	Material	Part No																			
plug	Metal	Male	DH-20-C02PE-03-001A	DH-20-C03PE-03-001A	DH-20-C04PE-03-001A	DH-20-C05PE-03-001A	DH-20-C07PE-03-001A		DH-20-C08PE-03-001A		DH-20-C09PE-03-001A		DH-20-C12PE-03-001A		DH-20-C14PE-03-001A		—					
		Female	DH-20-J02PE-03-001A	DH-20-J03PE-03-001A	DH-20-J04PE-03-001A	DH-20-J05PE-03-001A	DH-20-J07PE-03-001A		DH-20-J08PE-03-001A		DH-20-J09PE-03-001A		DH-20-J12PE-03-001A		DH-20-J14PE-03-001A		—					
In-line Receptacle		Male	DH-20-C02PP-03-001A	DH-20-C03PP-03-001A	DH-20-C04PP-03-001A	DH-20-C05PP-03-001A	DH-20-C07PP-03-001A		DH-20-C08PP-03-001A		DH-20-C09PP-03-001A		DH-20-C12PP-03-001A		DH-20-C14PP-03-001A		—					
		Female	DH-20-J02PP-03-001A	DH-20-J03PP-03-001A	DH-20-J04PP-03-001A	DH-20-J05PP-03-001A	DH-20-J07PP-03-001A		DH-20-J08PP-03-001A		DH-20-J09PP-03-001A		DH-20-J12PP-03-001A		DH-20-J14PP-03-001A		—					
Single hole straight Receptacle		Male	DH-20-C02SX-03-101A	DH-20-C03SX-03-101A	DH-20-C04SX-03-101A	DH-20-C05SX-03-101A	DH-20-C07SX-03-101A		DH-20-C08SX-03-101A		DH-20-C09SX-03-101A		DH-20-C12SX-03-101A		DH-20-C14SX-03-101A		—					
		Female	DH-20-J02SX-03-101A	DH-20-J03SX-03-101A	DH-20-J04SX-03-101A	DH-20-J05SX-03-101A	DH-20-J07SX-03-101A		DH-20-J08SX-03-101A		DH-20-J09SX-03-101A		DH-20-J12SX-03-101A		DH-20-J14SX-03-101A		—					
Four-hole flange Receptacle		Male	DH-20-C02SX-03-401A	DH-20-C03SX-03-401A	DH-20-C04SX-03-401A	DH-20-C05SX-03-401A	DH-20-C07SX-03-401A		DH-20-C08SX-03-401A		DH-20-C09SX-03-401A		DH-20-C12SX-03-401A		DH-20-C14SX-03-401A		—					
		Female	DH-20-J02SX-03-401A	DH-20-J03SX-03-401A	DH-20-J04SX-03-401A	DH-20-J05SX-03-401A	DH-20-J07SX-03-401A		DH-20-J08SX-03-401A		DH-20-J09SX-03-401A		DH-20-J12SX-03-401A		DH-20-J14SX-03-401A		—					

 DH-20 Dimension Drawing (unit: mm)

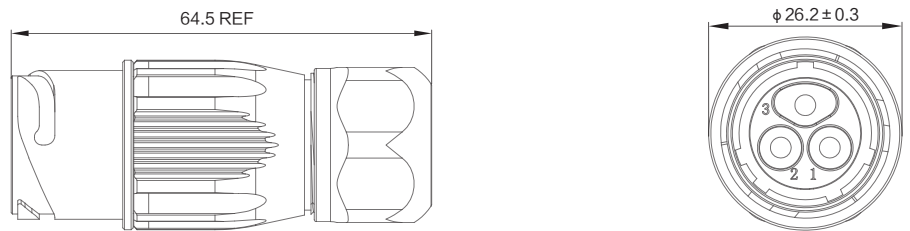
Plastic plug



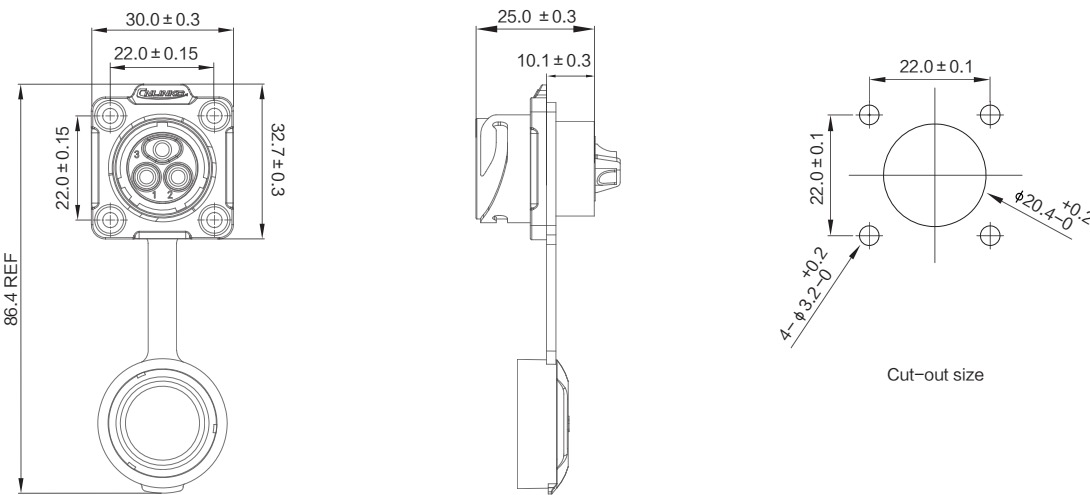
Single hole straight receptacle



In-line receptacle



Four-hole flange receptacle



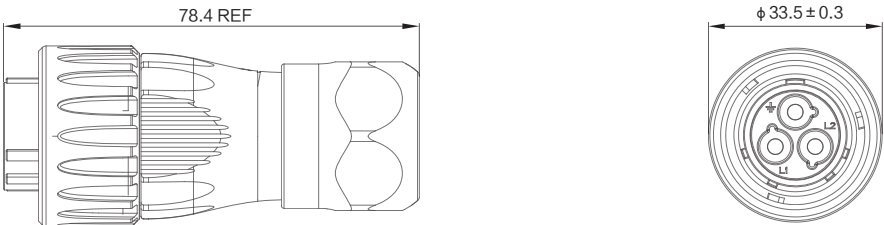
DH-24 Datasheet

DH-24

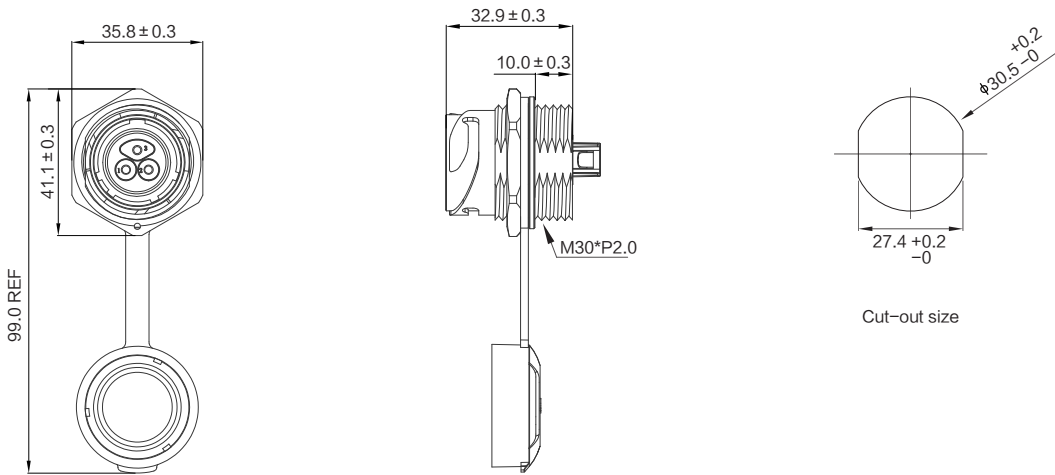
M24 Power/Signal	Product Series		DH-24																						
	Pin Number		2PIN		3PIN		4PIN		10PIN		12PIN		19PIN		24PIN		RJ45	HDMI	USB2.0	USB3.0	Optical fiber				
	Application Type Section		 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female									
	Current Rating		35A		45A		25A		10A		10A		5A		1.5A		1.5A	0.5A	500mA	900mA	—				
	Voltage Rating		AC 300V						AC 500V		AC 500V		AC 250V		AC 125V		AC 5V				—				
	Cable O.D Range		≤ ϕ 14.0mm														≤ ϕ 14.0mm				ϕ 5.0 ~ ϕ 7.0mm				ϕ 4.5~6.0mm
	Wire Size		6.0mm ² /10AWG		8.0mm ² /8AWG		4.0mm ² /12AWG		1.5mm ² /12AWG		1.5mm ² /12AWG		0.5mm ² /20AWG		26AWG		28AWG		—						
	Protection Level		Standard is IP65, IP67&IP68 Option Avaliable														Standard is IP65, IP67&IP68 Option Avaliable								
	Assembly Method		Soldering/Screwing		Soldering																				
	Illustration		Material	Part No																					
plug		Metal	Male	DH-24-C02PE-03-035	DH-24-C03PE-03-035	DH-24-C03PE-03-050	DH-24-C04PE-03-001	DH-24-C10PE-03-001A	DH-24-C12PE-03-001A		DH-24-C19PE-03-001A	DH-24-C24PE-03-001A	DH-24-C/RJ45/015/PE-43-001	DH24-HDMI-MP-MP-1M-001	DH-24-C/USB3/015/PE-43-001	DH24-USB3-MP-MP-1M-001	DH-24-C/LC/015/PE-43-003		DH-24-C/LC/015/PE-43-002						
 3/4PIN			 10/12/19/24PIN		Female	DH-24-J02PE-03-035	DH-24-J03PE-03-035	DH-24-J03PE-03-050	DH-24-J04PE-03-001	DH-24-J10PE-03-001A	DH-24-J12PE-03-001A		DH-24-J19PE-03-001A	DH-24-J24PE-03-001A	—	—	—	—	—						
In-line Receptacle			Male	DH-24-C02PP-03-035	DH-24-C03PP-03-035	DH-24-C03PP-03-050	DH-24-C04PP-03-001	DH-24-C10PP-03-001A	DH-24-C12PP-03-001A		DH-24-C19PP-03-001A	DH-24-C24PP-03-001A	—	—	—	—	—	—							
 3/4PIN			 10/12/19/24PIN		Female	DH-24-J02PP-03-035	DH-24-J03PP-03-035	DH-24-J03PP-03-050	DH-24-J04PP-03-001	DH-24-J10PP-03-001A	DH-24-J12PP-03-001A		DH-24-J19PP-03-001A	DH-24-J24PP-03-001A	—	—	—	—	—						
Single hole straight Receptacle			Male	DH-24-C02SX-03-135	DH-24-C03SX-03-135	DH-24-C03SX-03-150	DH-24-C04SX-03-101	DH-24-C10SX-03-101A	DH-24-C12SX-03-101A		DH-24-C19SX-03-101A	DH-24-C24SX-03-101A	—	—	—	—	—	—							
 Single hole straight Receptacle			Female	DH-24-J02SX-03-135	DH-24-J03SX-03-135	DH-24-J03SX-03-150	DH-24-J04SX-03-101	DH-24-J10SX-03-101A	DH-24-J12SX-03-101A		DH-24-J19SX-03-101A	DH-24-J24SX-03-101A	DH-24-J/RJ45/213/SX-43-106	DH-24-J/HDMI2/213/SX-43-102	DH-24-J/USB2/213/SX-43-101	DH-24-J/USB3/213/SX-43-104	DH-24-J/LC/213/SX-43-102		DH-24-J/LC/213/SX-43-101						
Four-hole flange Receptacle			Male	DH-24-C02SX-03-435	DH-24-C03SX-03-435	DH-24-C03SX-03-450	DH-24-C04SX-03-401	DH-24-C10SX-03-401A	DH-24-C12SX-03-401A		DH-24-C19SX-03-401A	DH-24-C24SX-03-401A	—	—	—	—	—	—							
 Four-hole flange Receptacle			Female	DH-24-J02SX-03-435	DH-24-J03SX-03-435	DH-24-J03SX-03-450	DH-24-J04SX-03-401	DH-24-J10SX-03-401A	DH-24-J12SX-03-401A		DH-24-J19SX-03-401A	DH-24-J24SX-03-401A	DH-24-J/RJ45/213/SX-43-409	DH-24-J/HDMI2/213/SX-43-402	DH-24-J/USB2/213/SX-43-401A	DH-24-J/USB3/213/SX-43-402	DH-24-J/LC/213/SX-43-403		DH-24-J/LC/213/SX-43-401						

DH-24 Dimension Drawing (unit: mm)

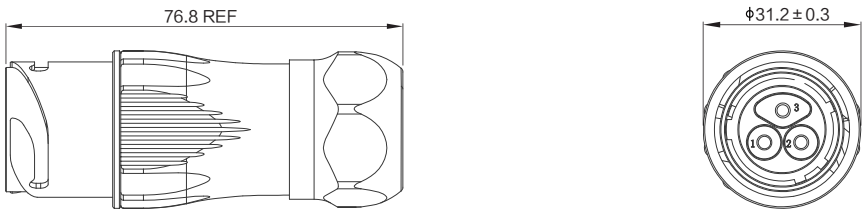
plug



Single hole straight receptacle



In-line receptacle



Four-hole flange receptacle

