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PRODUCT MANUAL

MANUFACTURER OF INDUSTRIAL
WATERPROOF CONNECTOR
WITH HIGH RELIABILITY

LINKO

SHENZHEN LINKO ELECTRIC CO., LTD

CONTENT

SHENZHEN LINKO ELECTRIC CO., LTD

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Product Content

All the company's products are patented products, counterfeiting must be investigated

LP series P17

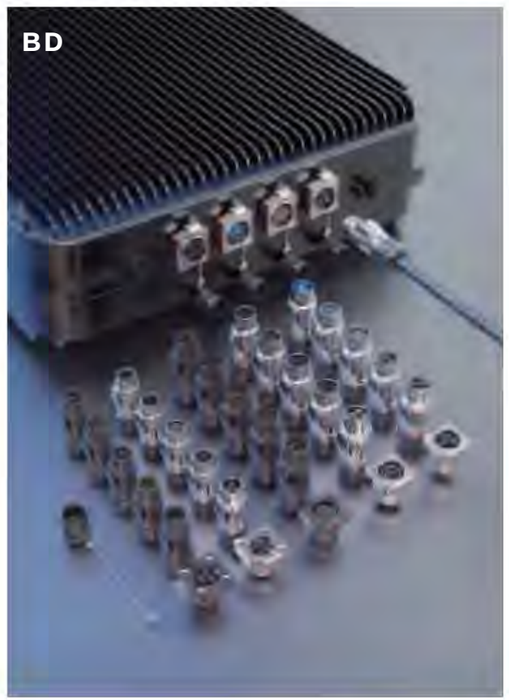
Top selling

Connection mode	Snap button
Material	Plastic type, plastic+metal type, metal type
Protection level	IP65~IP68 (standard IP65 / optional IP67&IP68)
Features	**Suitable and convenient for various operation scenarios**
Application types	Multi-pin type (2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 19, 24 pin and customized 3+2, 2+6, 2+7,2+1+5 pin, etc.)
	Signal (RJ45, optical fiber)
	Data (USB2.0, USB3.0, HDMI2.0, Type-c)
Application	**LP12 LP16 LP20 LP24 LP28**
Model page	**P23 P29 P37 P43 P47**

YM series P49

High waterproof Level

Connection mode	Bayonet
Material	Plastic
Protection level	IP65~IP68 (standard IP65 / optional IP67&IP68)
Features	**Suitable for various anti-corrosion scenarios**
Application types	Multi-PIN（2,3,4,5,6,7,9,10,12,14,19,24pin and customized 3+2,2+6 pins etc）
	Signal Type (RJ45, Optical Fiber)
	Data Type (USB2.0, USB3.0, HDMI)
Application	**YM20 YM24**
Model page	**P55 P59**



BD series P63

German Red Dot Award

Connection mode	Snap button
Material	Alloy / Plastic
Protection level	IP65~IP68 (standard IP65 / optional IP67&IP68)
Features	**Suitable for various anti-corrosion scenarios**
Application types	Multiple Pins (2,3,4,5,6,7,8,9,10,12,14,19, 24 pins and customized 3+2, 2+6, pins, etc.)
	Signal (RJ45, optical fiber)
	Data (USB2.0, USB3.0, HDMI2.0)
Application	**BD20 BD24**
Model page	**P69 P73**

DH series P77

High pressure resistance

Connection mode	Bayonet
Material	Alloy
Protection level	IP65~IP68 (standard IP65 / optional IP67&IP68)
Features	**Fast color recognition, Good performance in all kinds of mechanical impact resistance environment**
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, HDMI2.0)
Application	**DH20 DH24**
Model page	**P83 P87**

Product Content

All the company's products are patented products, counterfeiting must be investigated

EV series	P91
Connection mode	Snap button
Material	Plastic
Protection level	IP65~IP68 (standard IP65 / optional IP67&IP68)
Features	**Press Riveting Terminal Design**
Application types	Multi-PIN (2,3 pin)
Application	**EV20**
Model page	**P95**

DZ series	P97
Connection mode	Bayonet
Material	Alloy
Protection level	IP65~IP68 (standard IP65 / optional IP67&IP68)
Features	**Good performance in various mechanical shock environments**
Application types	Multi-pin (2, 3, 4, 5, 7, 9, 10, 12, 14, 19, 24 pins and customized 3+2, 2+6 pins, etc.)
	Signal (RJ45, optical fiber)
	Data (USB2.0, USB3.0, HDMI2.0)
Application	**DZ20 DZ24**
Model page	**P101 P105**

YA series	P109
Connection mode	Bayonet
Material	Plastic+metal type
Protection level	IP65~IP68 (standard IP65 / optional IP67&IP68)
Features	**The socket automatic flip cover protection function**
Application types	Multi Pin (2、3、4、5、7、9、12、14pin)
Application	**YA20**
Model page	**P113**

YZ series	P115
Connection mode	Bayonet
Material	Alloy
Protection level	IP65~IP68 (standard IP65 / optional IP67&IP68)
Features	**Suitable for various kinds of mechanical impact resistance environment**
Application types	Multi Pins (2、3、4、5、7、9、12、14pin)
Application	**YZ20**
Model page	**P119**

Product Content

All the company's products are patented products, counterfeiting must be investigated

YW series	P121
Connection mode	Thread
Material	Plastic+metal type
Protection level	IP65~IP68 (standard IP65 / optional IP67&IP68)
Features	**Suitable for various kinds of mechanical impact resistance environment**
Application types	Multi-PIN type (2, 3, 4, 5, 7, 9, 12, 14 pin)
Application	**YW16 YW20**
Model page	**P125 P127**

YU series	P129
Connection mode	Bayonet
Material	Plastic
Protection level	IP65~IP68 (standard IP65 / optional IP67&IP68)
Features	**Only suitable for various data transfers**
Application types	Data: USB
Application	**YU-USB**
Model page	**P133**

YT series	P135
Connection mode	Bayonet
Material	Plastic type, plastic+metal type, metal type
Protection level	IP44/IP65
Features	**Only suitable for various signal transmission**
Application types	Signal type: RJ45
Application	**YT-RJ45**
Model page	**P139**

YF series	P145
Connection mode	Twist lock latching
Material	Plastic
Protection level	IP44/IP65
Features	**Only suitable for various power transmission**
Application types	3 pins
Application	**YF24**
Model page	**P149**

Wire Harness customization	P154
Cnlinko's Products series	Existing connectors and solution development products
Optional cutout size	M12, M16, M20, M24, 28 and development custom
Optional application type	Power, Signal (RJ45/Optical) Data (USB, HDMI/Type-C) and Mixed
Optional material type	Plastic type, plastic+metal type, metal type
Remark	Customers can choose wire according to their needs

About Cnlinko

Manufacturer of highly reliable industrial waterproof connectors founded in 2004

Shenzhen Linko Electric Co., Ltd., was founded in 2004, it is a national high-tech enterprise and a specialized "Little Giant" enterprise that integrates the research and development, production, sales, and service of industrial waterproof connector products. The company's main business involves various industrial connectors such as power connectors, signal connectors, data connectors, and customized wiring harness products. At present, the product is widely used in many fields such as solar photovoltaic, automation equipment, electronic equipment, new energy, electromechanical equipment, mechanical equipment, instruments and meters, ships, on-board equipment, lighting fixtures, plant growth lights, cleaning equipment, medical equipment, security, LED displays, etc.

The company has a senior research and development team, a specialized production team, and an efficient after-sales service team in the industry. It has a professional production plant of over 10000 square meters, and through the introduction of information and intelligent systems such as ERP and MES, it has built a leading intelligent digital chemical factory in the industry. At present, the annual production capacity can reach more than 10 million sets, and the product have obtained professional certifications from multiple countries such as China, the United States, and the European Union. It has nearly 100 types of patent technologies, Currently, we have provided professional connector solutions to over 40000 enterprise customers in over 180 countries and regions worldwide.

Dynmic Linko,highlights the future

Corporate vision: create a national brand of industrial connectors with high-end quality and efficient service

Corporate mission: create value for partners and customers, create opportunities for employees, create profits for shareholders, and create wealth for the society

Business philosophy: technology leadership, lean management, customer first, win-win cooperation

The values of new craftsmen of the times

Ingenuity: Craftsmanship in the heart, abide by the original intention

Craftsmanship: Keeping the quality and going further, Keeping creativity and innovation

Keeping the craftsman's feelings: small family passing on big love, painting the dream of the country together

Practicing craftsmanship: cultivating the style of learning and applying it, and practicing the road of talent foundation

Service is the cornerstone

The service concept of "customer first", and meets users' one-stop procurement service demands from consultation, purchase to distribution and after-sales service with efficient services.

With the Shenzhen headquarters in China as the center, we will build a global sales network, and radiate our business to Asia, Europe, North America and other countries or regions, and provide satisfactory products and high-quality services to more than 40,000 customers around the world.

Based on quality

High-quality employees, cutting-edge production equipment and standardized production processes ensure the best quality of CNLINKO's products.

CNLINKO selects the best production materials, implements the whole process quality control from incoming to out of warehouse through a full range of standardized production processes, implements CCD and automatic detection, eliminates human errors, and continuously improves the production process to maintain a high level of quality to keep customers satisfied.

Driven by R&D

CNLINKO's innovations are based on long-term accumulated experience and set new industry standards worldwide.

After years of hard work, the company has mastered the core connection technology in industrial connectors, has a professional R&D team, and built a powerful laboratory testing room. In the field of aviation plugs, it has obtained more than 100 patents and a number of international qualification certifications. Use the PLM system to manage the entire life cycle of products, providing a stronger guarantee for the realization of customers' needs.

Guaranteed by supply chain management

CNLINKO implements enterprise ERP system and pays attention to internal control. It only takes 20 working days from the time the user needs the product to the shipment of the product.

CNLINKO adheres to the lean and intelligent production concept, fully automatic, flexible production and unit production to meet the production needs of different products. And in the production process, the entire supply chain is strictly controlled. Implemented "red and black list" management, and established a professional inventory mechanism.

Manufacturer of Industrial Waterproof Connector With High Reliability

Certification

We are making continuous efforts and these are not our highest requirements, we have to escort every product.

Argentina | Belgium | Denmark | Germany | Finland | France | England

Canada | Croatia | Holland | Norway | Austria | Poland | Russia

Sweden | Switzerland | Slovakia | Spain | South Africa | Czech Republic | Hungary

The products approved by many international certifications Escort for your products

100 More than patents

After years of efforts, CNLINKO is committed to taking the connector in the international leading level, mastering the core connection technology in the industrial connector, has a number of professional R&D teams, and has obtained a number of international qualification certification in the field of connector.

— High-tech enterprises —

— National specialized and new small giant enterprise —

— Invention patents —

— ISO 9001certification —

— UL certification —

— CQC certification —

— Tuv certification —

— RoHs certification —

— CE certification —

— IP67 certification —

Development History

In 2022 Smart upgrade

National specialized and new small giant enterprise

In 2020 Glory Development

Win the national "AAA level credit enterprise" evaluation said Expand to the 5G industry

In 2018 Market brand

March·Entered the global AliExpress platform

July·Entered the EBAY platform

November·Had won a number of national invention patents

December·Passed the IATF 16949 quality system certification

In 2016 The company upgraded

May·A larger-scale new factory was officially opened

November·Won the "National High-tech Enterprise"

December·Started using Kingdee ERP

In 2013 Brand upgrade

August·Won the "China's electronic equipment most innovation potential award"

November·Passed the UL safety regulations certification

December·CNLINKO Nanshan Business Center was established

In 2010 certification system

November·Passed the IP67 protection level certification

December·Products are approved by CE, RoHS certification

In 2004 Birth of the company

February·The company was formally established

In 2023 Digital upgrade

Won the title of "National High-tech Enterprise"
Build digital intelligent manufacturer

In 2021 Upgrade factory scale

In 2021 Upgrade factory scale
Doubled the size of the new factory
The new BD series won the German Red Dot Award

In 2019 Glory / Certification

Won the title of "Love Enterprise" in Shenzhen city Authorized laboratory through TUV witness testing

In 2017 Market brand

March·The Marketing Department had been upgraded, forming a new multi-channel development road, focusing on the development of overseas markets

August·The Company's new official website launched

December·Won a number of national inventions

In 2015 lean management

January to December·We implemented a full lean value chain management system

December·Obtained the National Innovative Enterprise Certification

December·Won the SGS China Manufacturing Network Certified Supplier

December·Become the director unit of Shenzhen Connector Industry Association

In 2011 Product upgrade and transformation

January·Passed the CCC certification

September·Product upgrade and transformation from the production of air boxes to the production of industrial connectors

November·Set up a product testing laboratory

In 2008 certification system

November·The company passed the ISO9001 quality system certification

December·Preliminary import of industrial type connector production

Engineering R&D Team

Passion makes our technical innovation constantly extend, rigorous makes our product quality more guaranteed, excellent design team makes your ideas into reality, rigorous engineering development process makes every step into order; international cutting-edge material supply guarantees the quality of every product; make your products more added value is our constant mission!

- Innovation ability
- design ability
- test and verification ability
- specification and collaboration
- team contribution

Engineering process

Production Overview

Quality

In order to meet the product needs of different customers, we have achieved fast and efficient shipments. A professional inventory mechanism has been established to meet your various shipping needs with an output of more than 20,000 sets per day.

Adhere to the principle of "quality first", implement the whole process of quality monitoring from incoming to outgoing warehouse, the implementation of CCD and automatic detection, to eliminate error made by human.

Delivery

From customer needs to product design, development, verification, and the final product realization, CNLINKO only takes 20 Working days with its excellent design team, rigorous process standards and product testing.

On-time delivery is our commitment to our customers, to strictly control the entire supply chain, and to implement the "red and black order" management in the production process, to make our customers satisfied.

Manufacture

Lean production is our eternal purpose, we continue to improve our persistence every day, efficient production capacity, so that every order is shipped as scheduled, automation equipment to let every standard is continued, we firmly believe that quality is made by hard work

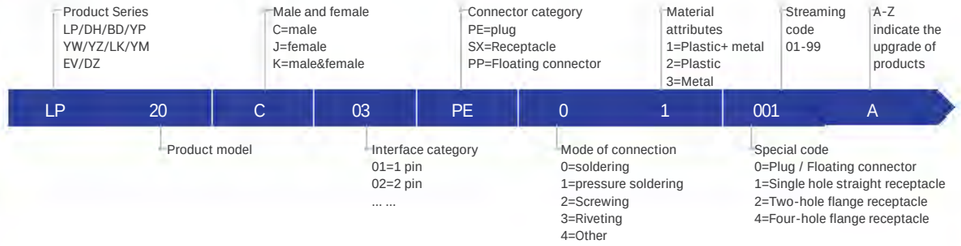
Adhere to the lean intelligent production concept, full automation, flexible production and unit production combined, to meet the production needs of different products.

Cost

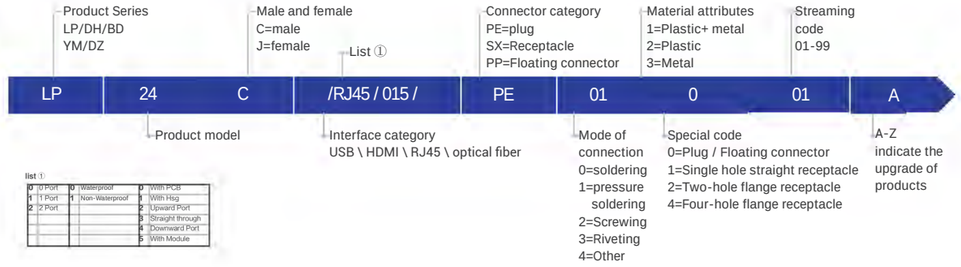
We cherish the cooperation with every customer, in order to rationalize the product cost, continue to improve the whole process, from the design, process, material, efficiency of all links, to optimize the production cost.

Coding Principle

Category 1: Waterproof connector

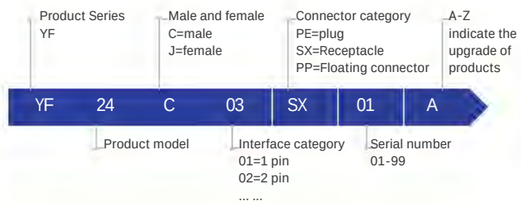


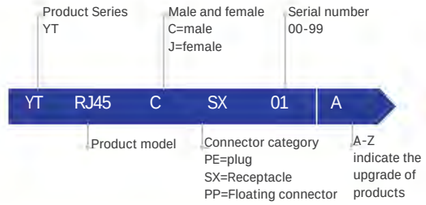
*** Different codes for reference standard generic data and signal interfaces such as USB \ HDMI \ RJ45 \ fiber for instance:**



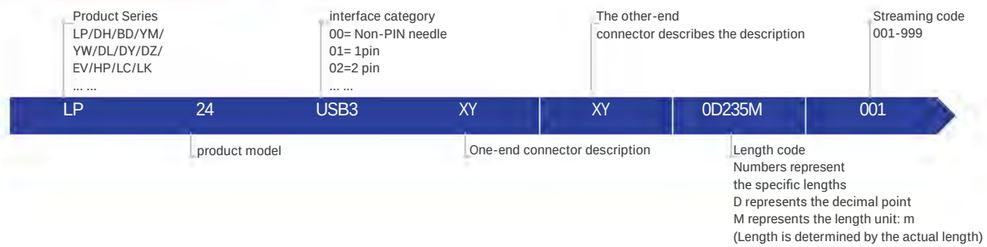
list ①

0	0 Port	0	Waterproof	0	With PCB
1	1 Port	1	Non-Waterproof	1	With Hsg
2	2 Port			2	Upward Port
				3	Straight through
				4	Downward Port
				5	With Module

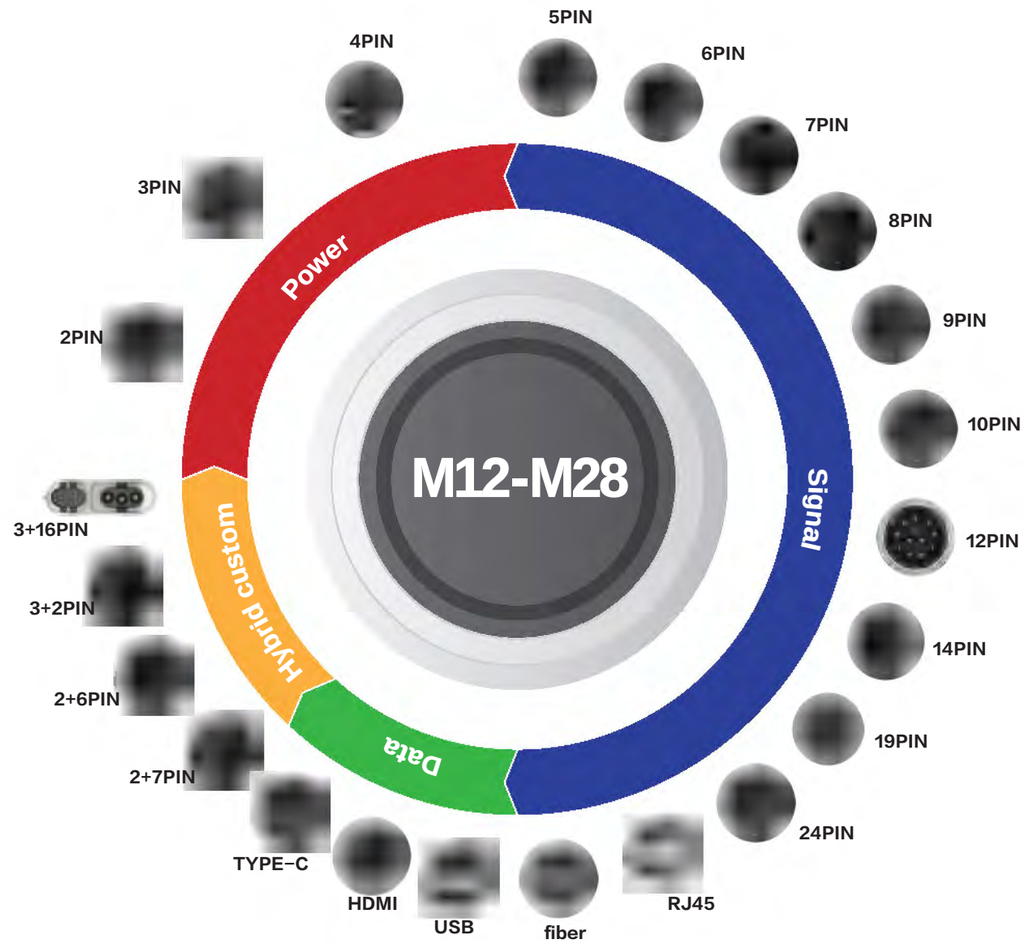




Category 2: wire



Comprehensive Product



Case Presentation

Application cases in the new energy

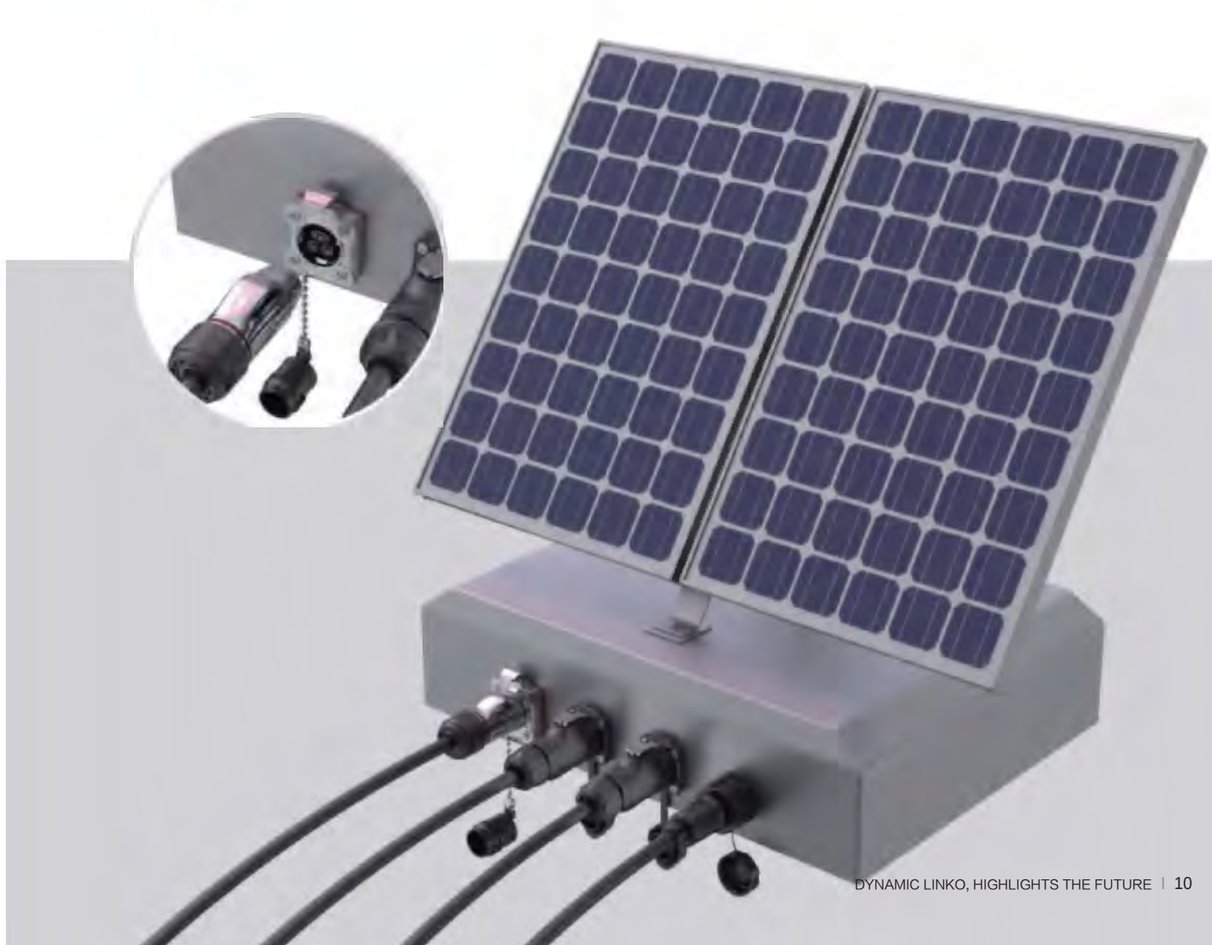
In the context of carbon reduction, green and environmental protection, the new energy represented by solar photovoltaic is rising rapidly and developing rapidly. For new energy equipment, it is the key to ensure the reliable and safe power supply and signal connection in the outdoor environment. With its advantages of high waterproof, corrosion resistance and high resistance, CNLINKO industrial connector is widely used in high and low temperature resistance and high transmission performance.

Application equipment:

solar photovoltaic, Energy storage

Application products:

BD-20,YU-USB, YM-20, LP-20



Electronic device cases

There are many kinds of electronic equipment, and the application scenarios involved are very different, so the certification audit of electronic equipment products, including supporting connector products, is very strict. The industrial connector of CNLINKO has been UL, TUV, CQC and other China, the United States, the EU and other countries of the authoritative certification, in line with CE, RoHS, REACH and other standards, can fully meet the certification requirements and quality requirements of electronic products.

Application equipment:

Signal transmission instrument, 3D printer

Application products:

LP-12, LP-16, LP-20, YM-20, YM-24

Communication equipment cases

Communication is a key infrastructure. With the iterative update cycle of communication technology getting shorter and shorter, the global demand for communication equipment is growing strongly.
High transmission rate, high reliability, harsh environment adaptability and other indicators are the higher requirements for the connector. The industrial connector of CNLINKO adopts high-quality material selection, innovative structural design and advanced manufacturing technology, which can realize the connection requirements of high-speed transmission in the harsh outdoor environment.

Application equipment:

Signal transceiver

Application products:

BD-24, DH-20, DH-24, LP-24, LP-28, YT-RJ45

Automation Equipment Case

With the continuous advancement of industry 4.0 and Made in China 2025 strategy, factory automation and intelligence have become a big trend, helping enterprises to achieve cost reduction and efficiency increase. Multi-type industrial connectors that can adapt to industrial scenarios are considered the key to ensure the efficiency and safety of automation equipment connection.
The industrial connector of CNLINKO is widely used in the automation industry with high waterproof and corrosion resistance, shock resistance and stable and efficient transmission.

Application equipment:

Mechanical intelligent automation, Production equipment, outdoor video monitor intelligent robot

Application products:

DH-20, DH-24, DZ-20

Security equipment cases

Security network is an important part of building a smart city and a safe city. With the development of security monitoring network to intelligent and high-definition, the connector signal and data transmission rate and capacity, as well as the high reliability in the outdoor environment are put forward higher requirements.
The industrial connector of CNLINKO has the advantages of ultra-high transmission performance, waterproof and corrosion resistance, and high weather resistance, which effectively guarantees the operation of security monitoring in a complex environment.

Application equipment:

Machine room monitoring system, information security door, outdoor video monitor

Application products:

BD-24, DH-20, DH-24, DZ-20

Lighting Equipment cases

Landscape lights, street lights and other lighting facilities, as urban infrastructure, play an incomparable role in urban construction and beautification. How the outdoor lighting facilities realize the high reliability of the power supply and signal connection in the outdoor environment has always been the focus of attention. The industrial connector of CNLINKO is widely used in the lighting system with its advantages of high waterproof and corrosion resistance, high and low temperature resistance, firmness and durability.

Application equipment:

Outdoor landscape lights, stage lights, indoor lighting equipment

Urban lighting system

Application products:

LP-12,LP-20,DH-24, YF-24, YT-RJ45

The LED display screen case

Outdoor LED display screens are favored by users because of their diversified display forms. The efficient, stable and safe connector is the key link for the outdoor LED display screen to display the video pictures smoothly and reliably in the outdoor environment. CNLINKO industrial connector, with stable and reliable, vibration and impact resistance, high protection level, strong transmission performance and other characteristics, fully meet the connection requirements of outdoor LED display screen.

Application equipment:

LED splicing display

Application products:

LP-16,LP-20, YF-24, YT-RJ45

Manufacturer of Industrial Waterproof Connector With High Reliability

LP SERIES

LP Shortcut Waterproof Connector

LP waterproof connector application type

CNLINKO 's LP series multi-application waterproof connector adopts its own patented snap-button connection method, which can realize one-key unplugging and one-handed operation, and is suitable for various fast and efficient operation scenarios. It adopts multiple patented waterproof structure design, which has high waterproof performance and can avoid the intrusion of external water liquid; the overall appearance design of this series is simple and elegant, in line with the principle of ergonomic design, and can meet the requirements of anti-interference, high strength, and high corrosion resistance in different scenarios.

- **Series product information:**

Series code:	LP- 12 、LP- 16 、LP- 20 、LP- 24 、LP- 28
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	Multi-pin type (2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 19, 24 pin and customized 3+2, 2+6, 2+7, 2+1+5 pin, etc.) Signal (RJ45, optical fiber) Data (USB2.0, USB3.0, HDMI2.0, Type-C)
Material type:	Plastic type, plastic + metal type, metal type

- **Introduction:**

Product types include power, multi-pin, hybrid, USB2.0, USB3.0, HDMI, Type-c, RJ45, optical fiber eight types. Plastic shell, light weight, good toughness, metal shell, high impact strength, using snap-lock, one-handed operation, simple operation, safe and reliable.

- **Main body material, process and surface treatment:**

Shell:	Material: Engineering Plastic/Metal | Surface treatment: Chrome plating	
	Production Process: Die-casting and injection	

- **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 LP series area:**

Scan the QR code below to check the LP 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 LP series

Applications

LP - 24 series products are used in a mechanical equipment control box

Features Overview

Easy to use, fast and convenient

LP series adopts snap connection design, easy to use, one-handed operation, fast and convenient.

High waterproof performance

The product can reach the IP65 protection level or above in the connected state. At present, it is standard IP65. Users can choose IP67 or IP68 level according to their needs.

Cold and heat resistance

Can adapt to a wide range of high and low temperature ambient temperatures: −25~+85° C for plastic and −40~+85° C for metal.

More efficient and reliable transmission

The contact parts are made of high-end imported copper alloy, and the surface is gold-plated to ensure long-term stability of the contactresistance value and efficient and reliable transmission performance of the connector.

Type and Style

Multiple styles

All-plastic/all-metal/semi-metal three types are available, which can meet the differentiated needs of users for high corrosion resistance, anti-interference, and high strength.

Flexible installation

The LP series has three installation methods: single-hole threaded receptacle, four-hole flange receptacle,two-hole flange receptacle, and floating connection. Users can choose according to actual application scenarios.

Users can choose a variety of wiring methods

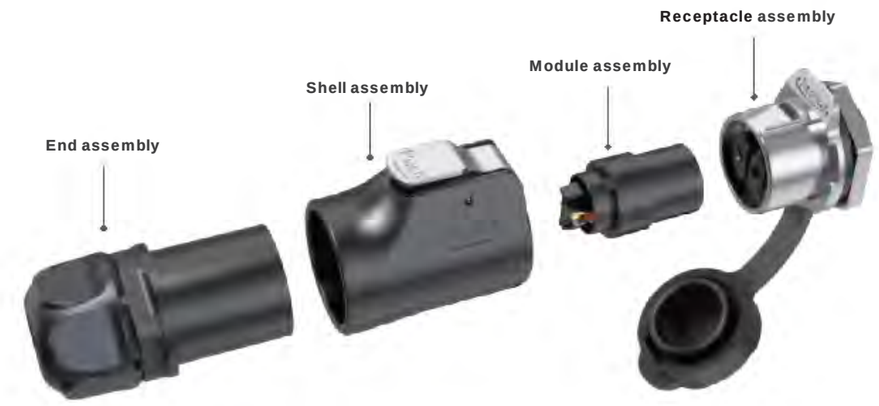
The LP series provides product types with two connection methods: locking screw and soldering.Locking screw is quick and convenient, and soldering is more reliable.

Color can be customized, your exclusive style

The LP series can now provide customized services in white, blue and other colors of the shell body to meet the personalized 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

LP-12 Series Information Overview P23

Product application type:	**Power: 2/3/4 pins**	
	Signal: 5/6/7/8 pins	
	The current is connected with the operating voltage: 125V(2~6 pins),100V(7~8 pins) The rated current: 5A (2~6 pins), 3A (7~8 pins)	
Cable O.D	Multi-pin type: Φ5.0~6.5mm（Metal）；Φ5.0~6.0mm、Φ4.0~5.5mm、Φ3.5~4.5mm（Plastic）	
Details page:	Product Parameter Map: **P23**	Dimension Drawing: **P27**

LP-16 Series Information Overview P29

Product application type:	**Power: 2/3/4 pins** **Data: Type-c**	
	Signal: 5/7/8/9 pins, RJ45, Optical fiber	
	The current is connected with the operating voltage: 400V(2~4 pins) , 250V(5、7~9 pins) The rated current: 10A (2~4 pins) , 5A (5、7~9 pins)	
Cable O.D	Multi-pin type: Φ7.0~9.0mm、Φ5.0~7.0mm、Φ3.0~5.0mm	
Details page:	Product Parameter Map: **P29**	Dimension Drawing: **P35**

LP-20 Series Information Overview P37

Product application type:	**Power: 2/3/4 pins**	
	Signal: 5/7/9/12/14 pin	
	The current is connected with the operating voltage: 500V（2~5、7 pins）, 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）	
Cable O.D:	Multi-pin type: Φ10.0~12.2mm（Metal）,Φ10.0~12.0mm、Φ7.0~8.5mm、Φ5.0~6.5mm	
Details page:	Product Parameter Map: **P37**	Dimension Drawing: **P41**

LP-24 Series Information Overview P43

	Power: 2/3/4 pins **Signal: 10/12/19/24 pins, RJ45, optical fiber**	
Product application type:	**Data: USB, HDMI**	
	The current is connected with the operating voltage: 500V（2~4 pins）, 400V（10、12 pins）, 250V（19、24 pins） The rated current: 45A (3 pins), 35A (2、3 pins), 25A (4 pins), 10A (10、12 pins), 5A (19、24 pins)	
Cable O.D	Multi-pin type: Φ10.5~14.0mm、Φ7.5~10.5mm、Φ5.0~7.0mm、Φ4.5~6.0mm	
	Data type: Φ5.0~Φ7.0mm（USB、HDMI）	
	Signal type：Φ5.0~Φ7.0mm（RJ45）, Φ4.5~Φ6.0mm（Optical fiber）	
Details page:	Product Parameter Map: **P43**	Dimension Drawing: **P45**

LP-28 Series Information Overview P47

Product application type:	**Power: 2/3 pins**	
	Signal: 8 pins	
	The current is connected with the operating voltage: 500V(2~3 pins),300V(8 pins) The rated current: 50A (2、3 pins), 35A (3 pins), 15A (8 pins)	
Cable O.D:	Multi-pin type: Φ17.0~20.5mm，Φ10.0~15.0mm	
Details page:	Product Parameter Map: **P47**	Dimension Drawing: **P48**

LP-12 Datasheet

LP-12

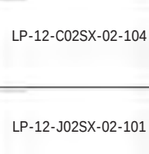
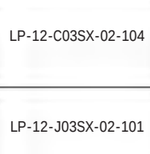
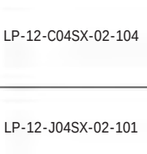
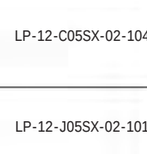
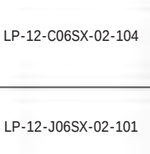
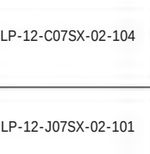
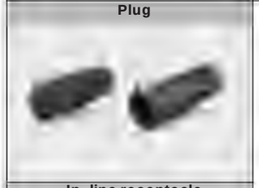
LP12 Power/Signal	Product Series	LP-12				LP-12					
	Pin Number	2PIN	3PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	—	—
	Application Type Section	 Male Female	 Male Female	Male Female	 Male Female	 Male Female	 Male Female	 Male Female	Male Female	—	—
	Current Rating	5A				5A		3A		—	—
	Voltage Rating	AC 125V				AC 125V		AC 100V		—	—
	Cable O.D Range	⩽ ϕ 7.0mm				⩽ ϕ 7.0mm				—	—
	Wire Size	0.5mm²/20AWG				0.5mm²/20AWG		0.34mm²/22AWG		—	—
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable				Standard is IP65, IP67&IP68 Option Avaliable				—	—
	Assembly Method	Soldering		Screwing	Soldering	Soldering				—	—

Illustration	Material		Part No				Part No					
Plug 	Plastic	Male	LP-12-C02PE-02-001	LP-12-C03PE-02-001	LP-12-C03PE-22-003	LP-12-C04PE-02-001	LP-12-C05PE-02-001	LP-12-C06PE-02-001	LP-12-C07PE-02-001	LP-12-C08PE-02-001	—	—
		Female	LP-12-J02PE-02-004	LP-12-J03PE-02-004	—	LP-12-J04PE-02-004	LP-12-J05PE-02-004	LP-12-J06PE-02-004	LP-12-J07PE-02-004	LP-12-J08PE-02-004	—	—
In-line receptacle		Male	LP-12-C02PP-02-003	LP-12-C03PP-02-003	—	LP-12-C04PP-02-003	LP-12-C05PP-02-003	LP-12-C06PP-02-003	LP-12-C07PP-02-003	LP-12-C08PP-02-003	—	—
		Female	LP-12-J02PP-02-001	LP-12-J03PP-02-001	LP-12-J03PP-22-001	LP-12-J04PP-02-001	LP-12-J05PP-02-001	LP-12-J06PP-02-001	LP-12-J07PP-02-001	LP-12-J08PP-02-001	—	—
Single hole straight receptacle		Male	LP-12-C02SX-02-104	LP-12-C03SX-02-104	—	LP-12-C04SX-02-104	LP-12-C05SX-02-104	LP-12-C06SX-02-104	LP-12-C07SX-02-104	LP-12-C08SX-02-104	—	—
		Female	LP-12-J02SX-02-101	LP-12-J03SX-02-101	LP-12-J03SX-22-101	LP-12-J04SX-02-101	LP-12-J05SX-02-101	LP-12-J06SX-02-101	LP-12-J07SX-02-101	LP-12-J08SX-02-101	—	—
Four-hole flange receptacle		Male	LP-12-C02SX-02-404	LP-12-C03SX-02-404	—	LP-12-C04SX-02-404	LP-12-C05SX-02-404	LP-12-C06SX-02-404	LP-12-C07SX-02-404	LP-12-C08SX-02-404	—	—
		Female	LP-12-J02SX-02-401	LP-12-J03SX-02-401	LP-12-J03SX-22-401	LP-12-J04SX-02-401	LP-12-J05SX-02-401	LP-12-J06SX-02-401	LP-12-J07SX-02-401	LP-12-J08SX-02-401	—	—

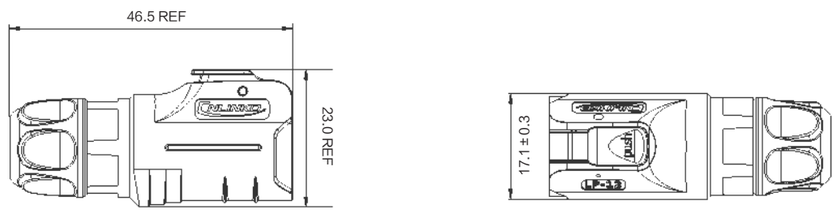
LP-12 Datasheet

LP-12

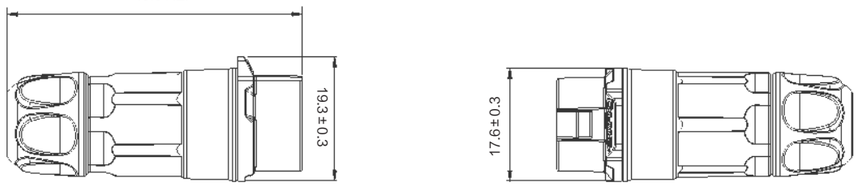
LP12 Power/Signal	Product Series	LP-12				LP-12				
	Pin Number	2PIN	3PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	—
	Application Type Section	Male Female Male Female Male Female Male Female				Male Female	Male Female	Male Female	Male Female	—
	Current Rating	5A				5A		3A		—
	Voltage Rating	AC 125V				AC 125V		AC 100V		—
	Cable O.D Range	≤ ϕ7.0mm				≤ ϕ7.0mm				—
	Wire Size	0.5mm²/20AWG				0.5mm²/20AWG		0.34mm²/22AWG		—
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable				Standard is IP65, IP67&IP68 Option Avaliable				—
	Assembly Method	Soldering			Soldering	Soldering				—
Illustration	Material	Part No				Part No				
Plug	Metal	Male	LP-12-C02PE-03-001	LP-12-C03PE-03-001	LP-12-C03PE-21-002	LP-12-C04PE-03-001	LP-12-C05PE-03-001	LP-12-C06PE-03-001	LP-12-C07PE-03-001	LP-12-C08PE-03-001	—
		Female	—	—	—	—	—	—	—	—	—
In-line receptacle		Male	—	—	—	—	—	—	—	—	—
		Female	LP-12-J02PP-01-001	LP-12-J03PP-01-001	LP-12-J03PP-21-002	LP-12-J04PP-01-001	LP-12-J05PP-01-001	LP-12-J06PP-01-001	LP-12-J07PP-01-001	LP-12-J08PP-01-001	—
Single hole straight receptacle		Male	—	—	—	—	—	—	—	—	—
		Female	LP-12-J02SX-03-101	LP-12-J03SX-03-101	LP-12-J03SX-23-101	LP-12-J04SX-03-101	LP-12-J05SX-03-101	LP-12-J06SX-03-101	LP-12-J07SX-03-101	LP-12-J08SX-03-101	—
Four-hole flange receptacle		Male	—	—	—	—	—	—	—	—	—
		Female	LP-12-J02SX-03-401	LP-12-J03SX-03-401	LP-12-J03SX-23-401	LP-12-J04SX-03-401	LP-12-J05SX-03-401	LP-12-J06SX-03-401	LP-12-J07SX-03-401	LP-12-J08SX-03-401	—

LP-12 Dimension Drawing (unit: mm)

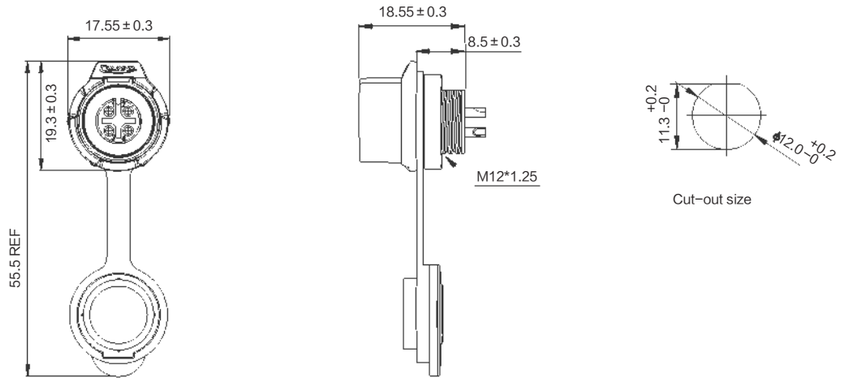
Plastic plug



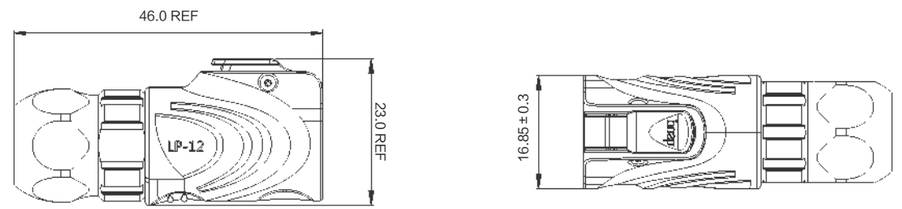
In-line receptacle



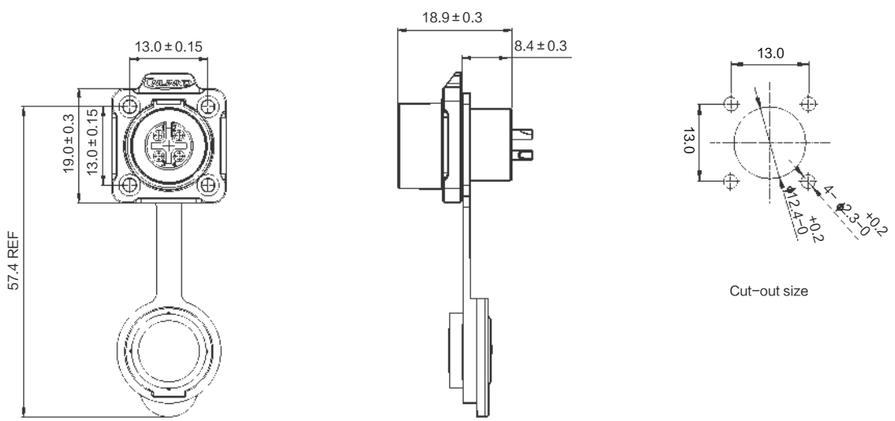
Single hole straight receptacle



Metal plug



Four-hole flange receptacle



LP SERIES

LP-16 Datasheet

LP-16

LP16 Power/Signal	Product Series	LP-16				LP-16						
	Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	RJ45	Type-C	—	
	Application Type Section	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female			—	
	Current Rating	10A			5A	5A			1.5A	5A	—	
	Voltage Rating	AC 400V			AC 250V	AC 250V			AC 125V	DC 20V	—	
	Cable O.D Range	⩽ ϕ 9.0mm				⩽ ϕ 9.0mm			⩽ ϕ 7.0mm	—	—	
	Wire Size	1.5mm²/16AWG			0.50mm²/20AWG	0.50mm²/20AWG			—	—	—	
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable				Standard is IP65, IP67&IP68 Option Avaliable			—	—	—	
	Assembly Method	Soldering			Soldering	Soldering			—	—	—	

Illustration	Material		Part No							Part No		
Plug	塑胶	Male	LP-16-C02PE-02-001	LP-16-C03PE-02-001	LP-16-C04PE-02-001	LP-16-C05PE-02-001	LP-16-C07PE-02-001	LP-16-C08PE-02-001	LP-16-C09PE-02-001	LP-16-C/RJ45/015/PE-42-001	LP-16-TYPEC-MP-MP-1M-002	—
		Female	LP-16-J02PE-02-001	LP-16-J03PE-02-001	LP-16-J04PE-02-001	LP-16-J05PE-02-001	LP-16-J07PE-02-001	LP-16-J08PE-02-001	LP-16-J09PE-02-001	—	—	—
In-line receptacle		Male	LP-16-C02PP-02-001	LP-16-C03PP-02-001	LP-16-C04PP-02-001	LP-16-C05PP-02-001	LP-16-C07PP-02-001	LP-16-C08PP-02-001	LP-16-C09PP-02-001	—	—	—
		Female	LP-16-J02PP-02-001	LP-16-J03PP-02-001	LP-16-J04PP-02-001	LP-16-J05PP-02-001	LP-16-J07PP-02-001	LP-16-J08PP-02-001	LP-16-J09PP-02-001	LP-16-J/RJ45/213/PP-42-001	—	—
Single hole straight receptacle		Male	LP-16-C02SX-02-101	LP-16-C03SX-02-101	LP-16-C04SX-02-101	LP-16-C05SX-02-101	LP-16-C07SX-02-101	LP-16-C08SX-02-101	LP-16-C09SX-02-101	—	LP-16-J/TYPE C31/215/SX-42-401	—
		Female	LP-16-J02SX-02-101	LP-16-J03SX-02-101	LP-16-J04SX-02-101	LP-16-J05SX-02-101	LP-16-J07SX-02-101	LP-16-J08SX-02-101	LP-16-J09SX-02-101	LP-16-J/RJ45/110/SX-02-101	—	—
Two-hole flange receptacle		Male	—	—	—	—	—	—	—	—	—	—
		Female	—	—	—	—	—	—	—	LP-16-J/RJ45/113/SX-02-201	—	—
Four-hole flange receptacle		Male	LP-16-C02SX-02-401	LP-16-C03SX-02-401	LP-16-C04SX-02-401	LP-16-C05SX-02-401	LP-16-C07SX-02-401	LP-16-C08SX-02-401	LP-16-C09SX-02-401	—	—	—
		Female	LP-16-J02SX-02-401	LP-16-J03SX-02-401	LP-16-J04SX-02-401	LP-16-J05SX-02-401	LP-16-J07SX-02-401	LP-16-J08SX-02-401	LP-16-J09SX-02-401	LP-16-J/RJ45/113/SX-02-201	LP-16-J/TYPE C31/215/SX-42-101	—

LP-16 Datasheet

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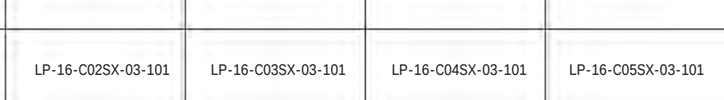
LP16 Power/Signal	Product Series	LP-16				LP-16			—	—	—	
	Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	—	—	—	
	Application Type Section	 Male Female Male Female Male Female Male Female				Male Female	Male Female	Male Female	—	—	—	
	Current Rating	10A			5A	5A			—	—	—	
	Voltage Rating	AC 400V			AC 250V	AC 250V			—	—	—	
	Cable O.D Range	⩽ ϕ 9.0mm				⩽ ϕ 9.0mm			—	—	—	
	Wire Size	1.5mm²/16AWG			0.5mm²/20AWG	0.5mm²/20AWG			—	—	—	
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable				Standard is IP65, IP67&IP68 Option Avaliable						
	Assembly Method	Soldering			Soldering	Soldering						
Illustration	Material	Part No				Part No						
Plug	Plastic / Metal	Male	LP-16-C02PE-01-001	LP-16-C03PE-01-001	LP-16-C04PE-01-001	LP-16-C05PE-01-001	LP-16-C07PE-01-001	LP-16-C08PE-01-001	LP-16-C09PE-01-001	—	—	—
		Female	LP-16-J02PE-01-001	LP-16-J03PE-01-001	LP-16-J04PE-01-001	LP-16-J05PE-01-001	LP-16-J07PE-01-001	LP-16-J08PE-01-001	LP-16-J09PE-01-001	—	—	—
RJ45		Male	LP-16-C02PP-01-001	LP-16-C03PP-01-001	LP-16-C04PP-01-001	LP-16-C05PP-01-001	LP-16-C07PP-01-001	LP-16-C08PP-01-001	LP-16-C09PP-01-001	—	—	—
		Female	LP-16-J02PP-01-001	LP-16-J03PP-01-001	LP-16-J04PP-01-001	LP-16-J05PP-01-001	LP-16-J07PP-01-001	LP-16-J08PP-01-001	LP-16-J09PP-01-001	—	—	—
Optical fiber		Male	LP-16-C02SX-03-101	LP-16-C03SX-03-101	LP-16-C04SX-03-101	LP-16-C05SX-03-101	LP-16-C07SX-03-101	LP-16-C08SX-03-101	LP-16-C09SX-03-101	—	—	—
		Female	LP-16-J02SX-03-101	LP-16-J03SX-03-101	LP-16-J04SX-03-101	LP-16-J05SX-03-101	LP-16-J07SX-03-101	LP-16-J08SX-03-101	LP-16-J09SX-03-101	—	—	—
Optical fiber receptacle		Male	LP-16-C02SX-03-401	LP-16-C03SX-03-401	LP-16-C04SX-03-401	LP-16-C05SX-03-401	LP-16-C07SX-03-401	LP-16-C08SX-03-401	LP-16-C09SX-03-401	—	—	—
		Female	LP-16-J02SX-03-401	LP-16-J03SX-03-401	LP-16-J04SX-03-401	LP-16-J05SX-03-401	LP-16-J07SX-03-401	LP-16-J08SX-03-401	LP-16-J09SX-03-401	—	—	—

LP-16 Datasheet

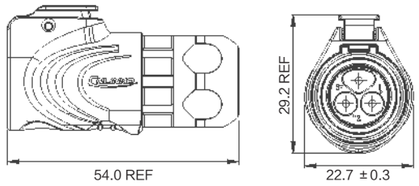
LP-16

LP16 Power/Signal	Product Series	LP-16				LP-16					
	Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	RJ45	—	—
	Application Type Section	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female		—	—
	Current Rating	10A			5A	5A			1.5A	—	—
	Voltage Rating	AC 400V			AC 250V	AC 250V			AC 125V	—	—
	Cable O.D Range	⩽ ϕ 9.0mm				⩽ ϕ 9.0mm			⩽ ϕ 9.0mm	—	—
	Wire Size	1.5mm²/16AWG			0.5mm²/20AWG	0.5mm²/20AWG			—	—	—
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable				Standard is IP65, IP67&IP68 Option Avaliable					
	Assembly Method	Soldering / Screwing			Soldering	Soldering					

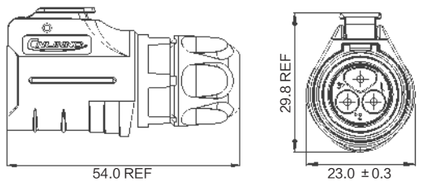
Illustration	Material	Part No										
Plug	Metal	Male	LP-16-C02PE-03-001	LP-16-C03PE-03-001	LP-16-C04PE-03-001	LP-16-C05PE-03-001	LP-16-C07PE-03-001	LP-16-C08PE-03-001	LP-16-C09PE-03-001	LP-16-C/RJ45/015/PE-43-001	—	—
		Female	LP-16-J02PE-03-001	LP-16-J03PE-03-001	LP-16-J04PE-03-001	LP-16-J05PE-03-001	LP-16-J07PE-03-001	LP-16-J08PE-03-001	LP-16-J09PE-03-001	—	—	—
In-line receptacle	Metal + Plastic	Male	LP-16-C02PP-01-001	LP-16-C03PP-01-001	LP-16-C04PP-01-001	LP-16-C05PP-01-001	LP-16-C07PP-01-001	LP-16-C08PP-01-001	LP-16-C09PP-01-001	—	—	—
		Female	LP-16-J02PP-01-001	LP-16-J03PP-01-001	LP-16-J04PP-01-001	LP-16-J05PP-01-001	LP-16-J07PP-01-001	LP-16-J08PP-01-001	LP-16-J09PP-01-001	—	—	—
Single hole straight receptacle	Metal	Male	LP-16-C02SX-03-101	LP-16-C03SX-03-101	LP-16-C04SX-03-101	LP-16-C05SX-03-101	LP-16-C07SX-03-101	LP-16-C08SX-03-101	LP-16-C09SX-03-101	—	—	—
		Female	LP-16-J02SX-03-101	LP-16-J03SX-03-101	LP-16-J04SX-03-101	LP-16-J05SX-03-101	LP-16-J07SX-03-101	LP-16-J08SX-03-101	LP-16-J09SX-03-101	—	—	—
Four-hole flange receptacle		Male	LP-16-C02SX-03-401	LP-16-C03SX-03-401	LP-16-C04SX-03-401	LP-16-C05SX-03-401	LP-16-C07SX-03-401	LP-16-C08SX-03-401	LP-16-C09SX-03-401	—	—	—
		Female	LP-16-J02SX-03-401	LP-16-J03SX-03-401	LP-16-J04SX-03-401	LP-16-J05SX-03-401	LP-16-J07SX-03-401	LP-16-J08SX-03-401	LP-16-J09SX-03-401	LP-16-J/RJ45/210/SX-03-401	—	—

LP-16 Dimension Drawing (unit: mm)

Metal Plug



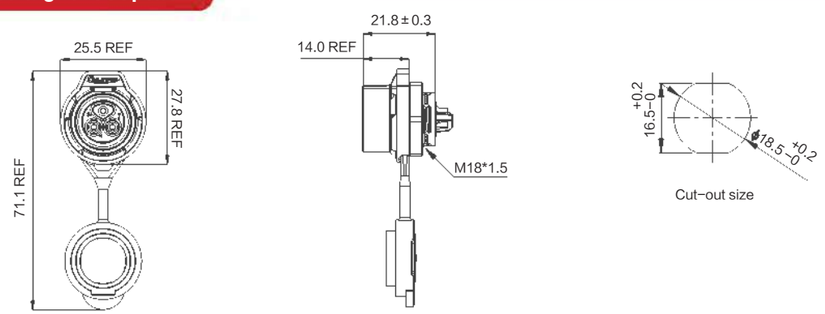
Plastic Plug



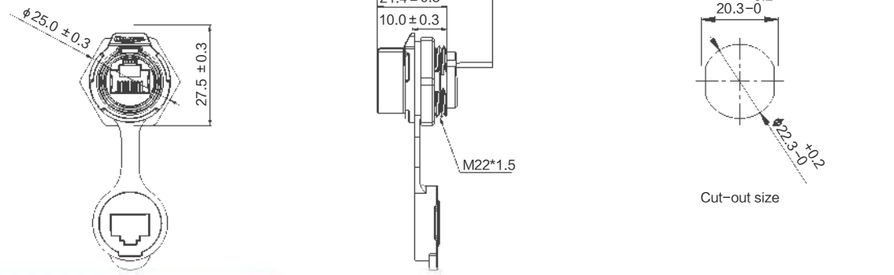
In-line receptacle

RJ45 In-line receptacle

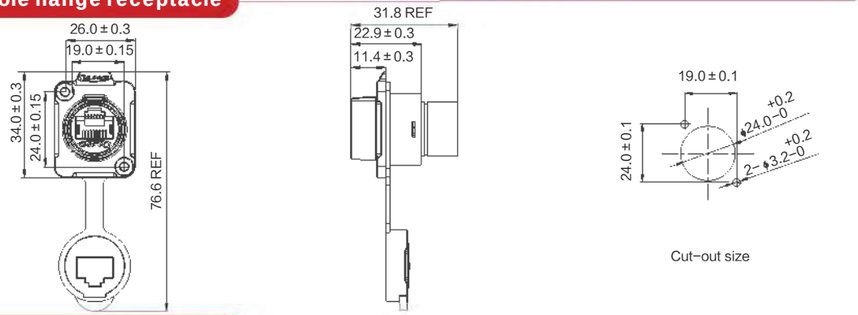
Single hole straight receptacle



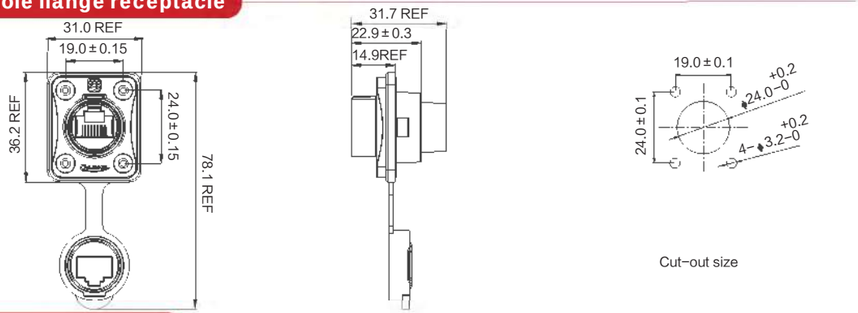
RJ45 Single hole straight receptacle



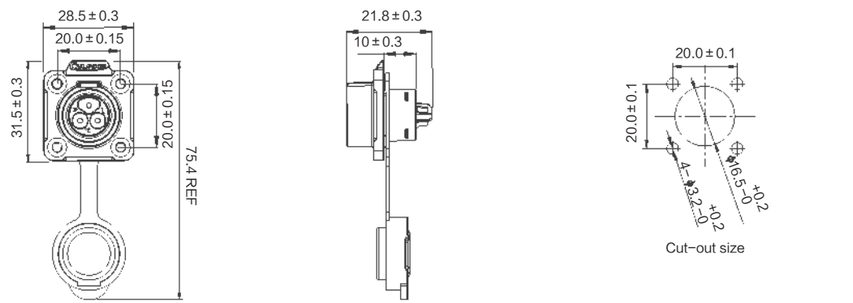
RJ45 Two-hole flange receptacle



RJ45 Four-hole flange receptacle

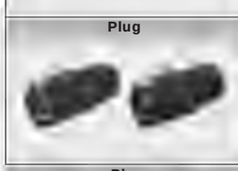
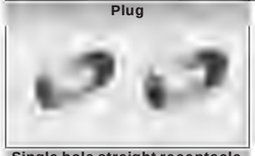
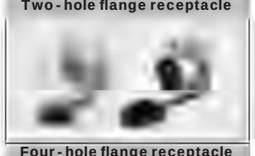


Four-hole flange receptacle



LP-20 Datasheet

LP-20

LP20 Power/Signal	**Product Series**	**LP-20**				**LP-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 500V			AC 500V	AC 500V	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	2.5mm²/12AWG 0.5mm²/20AWG	0.5mm²/20AWG			—	
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable						Standard is IP65, IP67&IP68 Option Avaliable				
	Assembly Method	Soldering / Screwing		Soldering		Soldering						
Illustration	**Material**	**Part No**						**Part No**				
Plug 	**Metal + Plastic**	**Male**	LP-20-C02PE-01-001A	LP-20-C03PE-01-001A	LP-20-C04PE-01-001A	LP-20-C05PE-01-001A	LP-20-C07PE-01-001A	LP-20-C08PE-01-051	LP-20-C09PE-01-001A	LP-20-C12PE-01-001A	LP-20-C14PE-01-001A	—
		Female	LP-20-J02PE-01-002A	LP-20-J03PE-01-003A	LP-20-J04PE-01-002A	LP-20-J05PE-01-002A	LP-20-J07PE-01-002A	LP-20-J08PE-01-051A	LP-20-J09PE-01-002A	LP-20-J12PE-01-002A	LP-20-J14PE-01-001A	—
Plug 	**Metal**	**Male**	LP-20-C02PE-03-001A	LP-20-C03PE-03-001A	LP-20-C04PE-03-001A	LP-20-C05PE-03-001A	LP-20-C07PE-03-001A	LP-20-C08PE-03-001A	LP-20-C09PE-03-001A	LP-20-C12PE-03-001A	LP-20-C14PE-03-001A	—
		Female	LP-20-J02PE-03-001A	LP-20-J03PE-03-001A	LP-20-J04PE-03-001A	LP-20-J05PE-03-001A	LP-20-J07PE-03-001A	LP-20-J08PE-03-001A	LP-20-J09PE-03-001A	LP-20-J12PE-03-001A	LP-20-J14PE-03-001A	—
Single hole straight receptacle		**Male**	LP-20-C02SX-03-101A	LP-20-C03SX-03-101A	LP-20-C04SX-03-101A	LP-20-C05SX-03-101A	LP-20-C07SX-03-101A	LP-20-C08SX-03-151	LP-20-C09SX-03-101A	LP-20-C12SX-03-101A	LP-20-C14SX-03-101A	—
		Female	LP-20-J02SX-03-101A	LP-20-J03SX-03-101A	LP-20-J04SX-03-101A	LP-20-J05SX-03-101A	LP-20-J07SX-03-101A	LP-20-J08SX-03-151	LP-20-J09SX-03-101A	LP-20-J12SX-03-101A	LP-20-J14SX-03-101A	—
Two-hole flange receptacle 		**Male**	LP-20-C02SX-03-201A	LP-20-C03SX-03-201A	LP-20-C04SX-03-201A	LP-20-C05SX-03-201A	LP-20-C07SX-03-201A	LP-20-C08SX-03-251	LP-20-C09SX-03-201A	LP-20-C12SX-03-201A	LP-20-C14SX-03-201A	—
		Female	LP-20-J02SX-03-201A	LP-20-J03SX-03-201A	LP-20-J04SX-03-201A	LP-20-J05SX-03-201A	LP-20-J07SX-03-201A	LP-20-J08SX-03-251	LP-20-J09SX-03-201A	LP-20-J12SX-03-201A	LP-20-J14SX-03-201A	—
Four-hole flange receptacle		**Male**	LP-20-C02SX-03-401A	LP-20-C03SX-03-401A	LP-20-C04SX-03-401A	LP-20-C05SX-03-401A	LP-20-C07SX-03-401A	LP-20-C08SX-03-451A	LP-20-C09SX-03-401A	LP-20-C12SX-03-401A	LP-20-C14SX-03-401A	—
		Female	LP-20-J02SX-03-401A	LP-20-J03SX-03-401A	LP-20-J04SX-03-401A	LP-20-J05SX-03-401A	LP-20-J07SX-03-401A	LP-20-J08SX-03-451	LP-20-J09SX-03-401A	LP-20-J12SX-03-401A	LP-20-J14SX-03-401A	—

LP-20 Datasheet

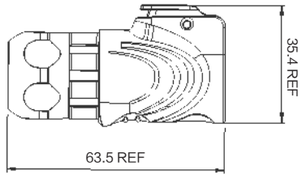
LP-20

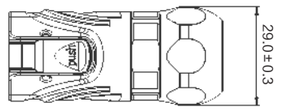
LP20 Power/Signal	**Product Series**	**LP-20**					**LP-20**				
	Pin Number	**2PIN**	**3PIN**	**4PIN**	**5PIN**	**7PIN**	**8PIN**	**9PIN**	**12PIN**	**14PIN**	—
	Application Type Section	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	—
	Current Rating	20A			10A		20A+5A	5A			—
	Voltage Rating	AC 500V			AC 500V		AC 250V	AC 250V			—
	Cable O.D Range	⩽ ϕ 12.0mm						⩽ ϕ 12.0mm			—
	Wire Size	2.5mm²/12AWG			1.5mm²/16AWG		2.5mm²/12AWG 0.5mm²/20AWG	0.5mm²/20AWG			—
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable						Standard is IP65, IP67&IP68 Option Avaliable			
	Assembly Method	Soldering/Screwing		Soldering		Soldering					

Illustration	**Material**	**Part No**						**Part No**			
Plug	**Plastic**	**Male**	LP-20-C02PE-02-001A	LP-20-C03PE-02-001A	LP-20-C04PE-02-001A	LP-20-C05PE-02-001A	LP-20-C07PE-02-001A	LP-20-C08PE-02-051	LP-20-C09PE-02-001A	LP-20-C12PE-02-001A	LP-20-C14PE-02-001A	—
		Female	LP-20-J02PE-02-001A	LP-20-J03PE-02-001A	LP-20-J04PE-02-001A	LP-20-J05PE-02-001A	LP-20-J07PE-02-001A	LP-20-J08PE-02-051	LP-20-J09PE-02-001A	LP-20-J12PE-02-001A	LP-20-J14PE-02-001A	—
In-line receptacle		**Male**	LP-20-C02PP-02-001A	LP-20-C03PP-02-001A	LP-20-C04PP-02-001A	LP-20-C05PP-02-001A	LP-20-C07PP-02-001A	LP-20-C08PP-02-001A	LP-20-C09PP-02-001A	LP-20-C12PP-02-001A	LP-20-C14PP-02-001A	—
		Female	LP-20-J02PP-02-001A	LP-20-J03PP-02-001A	LP-20-J04PP-02-001A	LP-20-J05PP-02-001A	LP-20-J07PP-02-001A	LP-20-J08PP-02-001A	LP-20-J09PP-02-001A	LP-20-J12PP-02-001A	LP-20-J14PP-02-001A	—
Single hole straight receptacle		**Male**	LP-20-C02SX-02-101A	LP-20-C03SX-02-101A	LP-20-C04SX-02-101A	LP-20-C05SX-02-101A	LP-20-C07SX-02-101A	LP-20-C08SX-02-151A	LP-20-C09SX-02-101A	LP-20-C12SX-02-101A	LP-20-J12SX-02-101A	—
		Female	LP-20-J02SX-02-101A	LP-20-J03SX-02-101A	LP-20-J04SX-02-101A	LP-20-J05SX-02-101A	LP-20-J07SX-02-101A	LP-20-J08SX-02-151	LP-20-J09SX-02-101A	LP-20-J12SX-02-101A	LP-20-J14SX-02-101A	—

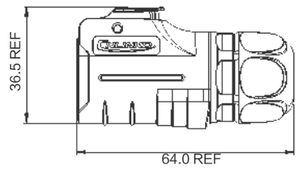
LP-20 Dimension Drawing (unit: mm)

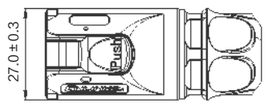
Metal Plug



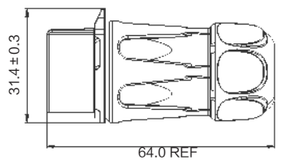


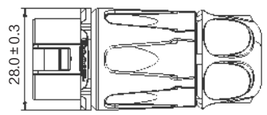
Plastic Plug



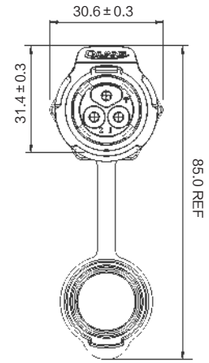


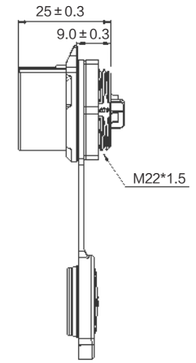
In-line receptacle

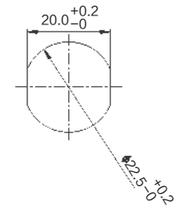




Single hole straight receptacle

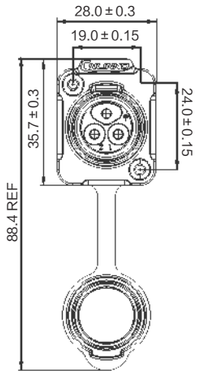


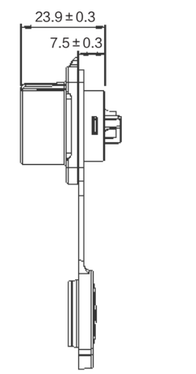


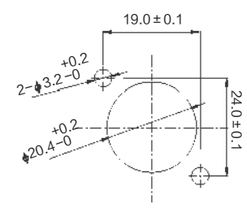


Cut-out size

Two-hole flange receptacle

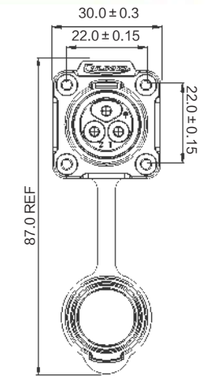


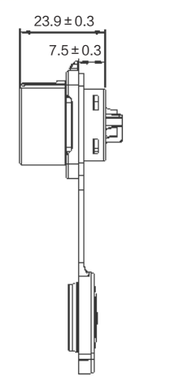


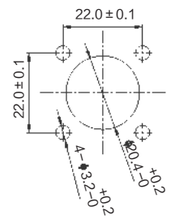


Cut-out size

Four-hole flange receptacle







Cut-out size

LP-24 Datasheet

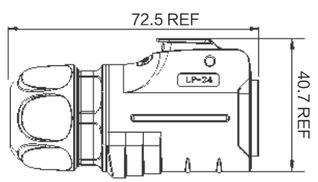
LP-24

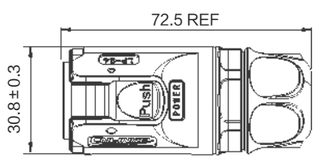
LP24 Power/Signal	Product Series	LP-24												
	Pin Number	2PIN	3PIN		4PIN	10PIN	12PIN	19PIN	24PIN	RJ45	HDMI	USB2.0	USB3.0	Optical fiber
	Application Type Section	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female					
	Current Rating	35A		45A	25A	10A	10A	5A		1.5A	0.5A	500mA	900mA	—
	Voltage Rating	AC 500V				AC 400V	AC 400V	AC 250V		AC 125V	AC 5V			—
	Cable O.D Range	⩽ ϕ 14.0mm								⩽ ϕ 14.0mm				
	Wire Size	6.0mm²/10AWG		8.0mm²/8AWG Electronic wire	4.0mm²/12AWG	1.5mm²/16AWG	1.5mm²/16AWG	0.5mm²/20AWG		—		—		—
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable								Standard is IP65, IP67&IP68 Option Avaliable				
	Assembly Method	Soldering	Soldering / Screwing		Soldering	Soldering								

Illustration	Material		Part No												
Plug	Plastic / Metal	Male	LP-24-C02PE-01-035	LP-24-C03PE-01-035	LP-24-C03PE-01-050	LP-24-C04PE-01-001	LP-24-C10PE-01-001A	LP-24-C12PE-01-001A	LP-24-C19PE-01-001A	LP-24-C24PE-01-001A	LP-24-C/RJ45/015/PE-41-001	LP24-HDMI-MP-MP-1M-001	LP-24-C/USB3/016/PE-43-001	LP24-USB3-MP-MP-1M-001	LP-24-C/LC/016/PE-41-004 LP-24-C/LC/016/PE-41-001
		Female	LP-24-J02PE-01-035A	LP-24-J03PE-01-035	LP-24-J03PE-01-050	LP-24-J04PE-01-001	LP-24-J10PE-01-001A	LP-24-J12PE-01-001A	LP-24-J19PE-01-001A	LP-24-J24PE-01-001A	—	—	—	—	—
Single hole straight receptacle		Male	LP-24-C02PP-01-035	LP-24-C03PP-01-035A	LP-24-C03PP-01-050	LP-24-C04PP-01-001	LP-24-C10PP-01-001	LP-24-C12PP-01-001	LP-24-C19PP-01-001	LP-24-C24PP-01-001	—	—	—	—	—
		Female	LP-24-J02PP-01-035	LP-24-J03PP-01-035A	LP-24-J03PP-01-050	LP-24-J04PP-01-001	LP-24-J10PP-01-001	LP-24-J12PP-01-001	LP-24-J19PP-01-001	LP-24-J24PP-01-001	—	—	—	—	—
Two-hole flange receptacle		Male	LP-24-C02SX-03-135	LP-24-C03SX-03-135A	LP-24-C03SX-03-150	LP-24-C04SX-03-101	LP-24-C10SX-03-101	LP-24-C12SX-03-101	LP-24-C19SX-03-101	LP-24-C24SX-03-101	—	—	—	—	—
		Female	LP-24-J02SX-03-135	LP-24-J03SX-03-135A	LP-24-J03SX-03-150	LP-24-J04SX-03-101	LP-24-J10SX-03-101	LP-24-J12SX-03-101	LP-24-J19SX-03-101	LP-24-J24SX-03-101	LP-24-J/RJ45/213/SX-43-102A	LP-24-J/HDMI2/213/SX-43-101A	LP-24-J/USB2/213/SX-43-101A	LP-24-J/USB3/213/SX-43-101A	LP-24-J/LC/213/SX-43-101A LP-24-J/LC/213/SX-43-102A
Four-hole flange receptacle		Male	LP-24-C02SX-03-435	LP-24-C03SX-03-435	LP-24-C03SX-03-450	LP-24-C04SX-03-401	LP-24-C10SX-03-401A	LP-24-C12SX-03-401A	LP-24-C19SX-03-401A	LP-24-C24SX-03-401A	—	—	—	—	—
		Female	LP-24-J02SX-03-435	LP-24-J03SX-03-435	LP-24-J03SX-03-450	LP-24-J04SX-03-401	LP-24-J10SX-03-401A	LP-24-J12SX-03-401A	LP-24-J19SX-03-401A	LP-24-J24SX-03-401A	LP-24-J/RJ45/213/SX-43-408	LP-24-J/HDMI2/213/SX-43-401	LP-24-J/USB2/213/SX-43-101A	LP-24-J/USB3/213/SX-43-401A	LP-24-J/LC/213/SX-43-402 LP-24-J/LC/213/SX-43-401

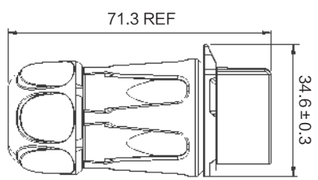
LP-24 Dimension Drawing (unit: mm)

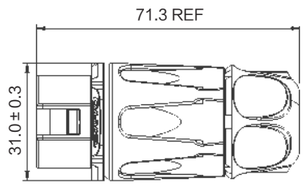
Plug



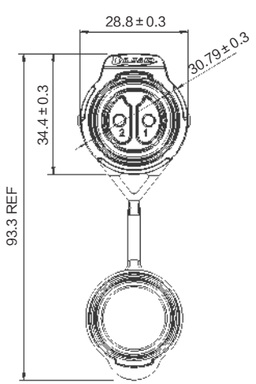


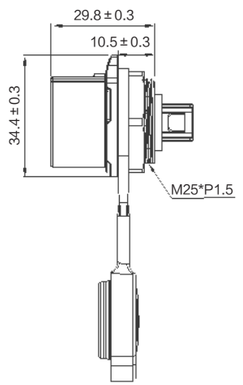
In-line receptacle

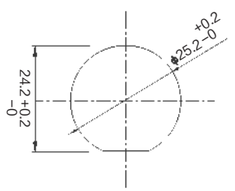




Single hole straight receptacle

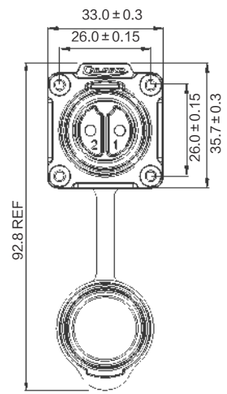


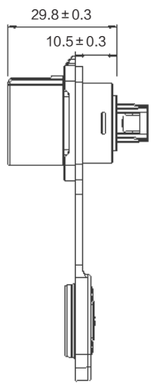


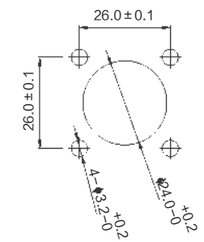


Cut-out size

Four-hole flange receptacle







Cut-out size

LP-28 Datasheet

LP-28

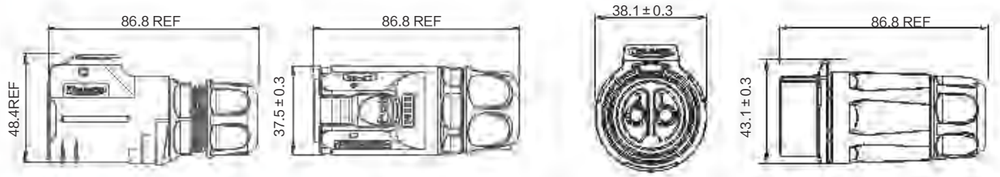
LP28 Power/Signal	Product Series	LP-28		
	Pin Number	2PIN	3PIN	8PIN
	Application Type Section	Male Female	Male Female	Male Female
	Current Rating	50A	35A/50A	15A
	Voltage Rating	AC 500V		AC 300V
	Cable O.D Range	ϕ17.0 ~ ϕ20.5mm		ϕ13~15mm
	Wire Size	16mm²/6AWG	10mm²/8AWG 16mm²/6AWG	4.0mm²/12AWG
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable		
	Assembly Method	Screwing / Riveting		Soldering

Illustration	Material		Part No		(Locking wire: LW Riveting: R)
Plug	Plastic / Metal	Male	LP-28-C02PE-21-001(LW)	LP-28-C03PE-21-001(LW)	LP-28-C08PE-01-001
			LP-28-C02PE-31-003(R)	LP-28-C03PE-31-003(R)	
		Female	LP-28-J02PE-21-001(LW)	LP-28-J03PE-21-001(R)	LP-28-J08PE-01-001
			LP-28-J02PE-31-003(R)	LP-28-J03PE-31-003(R)	
In-line receptacle		Male	LP-28-C02PP-21-001(LW)	LP-28-C03PP-21-001(LW)	LP-28-C08PP-01-001
			LP-28-C02PP-31-003(R)	LP-28-C03PP-31-003(R)	
		Female	LP-28-J02PP-21-001(LW)	LP-28-J03PP-21-001(LW)	LP-28-J08PP-01-001
			LP-28-J02PP-31-003(R)	LP-28-J03PP-31-003(R)	
Single hole straight receptacle		Male	LP-28-C02SX-23-101(LW)	LP-28-C03SX-23-101(LW)	LP-28-C08SX-03-101
			LP-28-C02SX-33-103(R)	LP-28-C03SX-33-103(R)	
		Female	LP-28-J02SX-23-101(LW)	LP-28-J03SX-23-101(LW)	LP-28-J08SX-03-101
			LP-28-J02SX-33-103(R)	LP-28-J03SX-33-103(R)	
Four-hole flange receptacle		Male	LP-28-C02SX-23-401(LW)	LP-28-C03SX-23-401(LW)	LP-28-C08SX-03-401
			LP-28-C02SX-33-403(R)	LP-28-C03SX-33-403(R)	
		Female	LP-28-J02SX-23-401(LW)	LP-28-J03SX-23-401(LW)	LP-28-J08SX-03-401
			LP-28-J02SX-33-403(R)	LP-28-J03SX-33-403(R)	

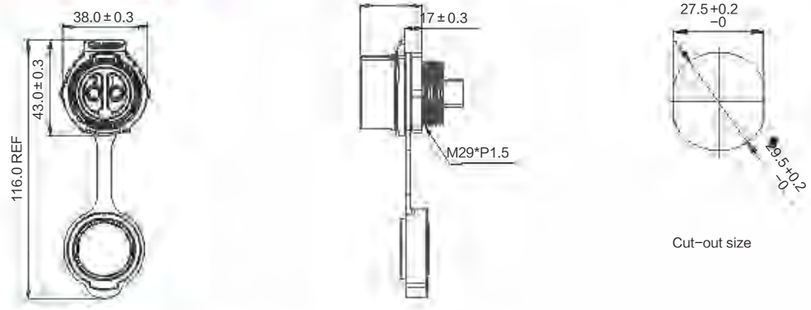
LP-28 Dimension Drawing (unit: mm)

Plug

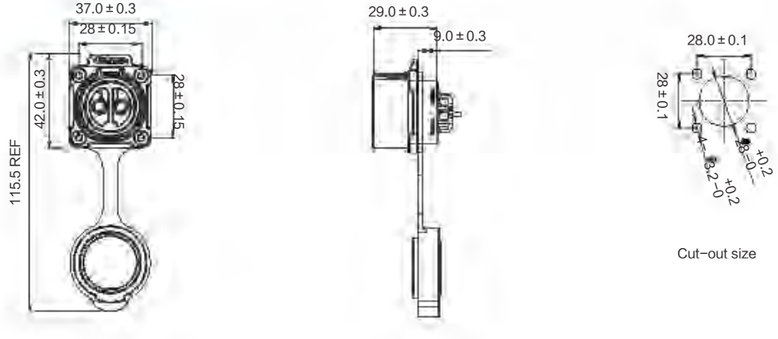
In-line receptacle



Single hole straight receptacle



Four-hole flange receptacle



YM SERIES

YM Circular Plastic Waterproof Connector

YM waterproof connector application type

Cnlinko's The newest Product YM (M20, M24) series waterproof connectors use PBT engineering performance injection molding material as the component raw material, and the all-plastic shell design, Make the product more anti-corrosion and safer. The whole adopts a unique spring-type rotary locking connection. Sophisticated internal construction, rugged housing construction,It provides a safe and stable connection and transmission performance to ensure the stability of the electrical performance of the device during use.

Series product information:

Series code:	YM- 20 、YM- 24
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	· Multi-PIN（2,3,4,5,6,7,9,10,12,14,19,24pin and customized 3+2,2+6,2+1+5 pins etc） · Signal Type (RJ45, Optical Fiber) · Data Type (USB2.0, USB3.0, HDMI)
Material type:	Plastic type

Introduction:

The Product include power, multi-core, hybrid, USB2.0, USB3.0, HDMI, RJ45, optical fiber eight categories. Adopt military standard three-point screw lock. Plastic dust cover, unique rotary outer ring locking method, can realize one-handed plugging operation.

Main body material, process and surface treatment:

Shell:	Material: Engineering Plastic	Production process: Injection molding

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:

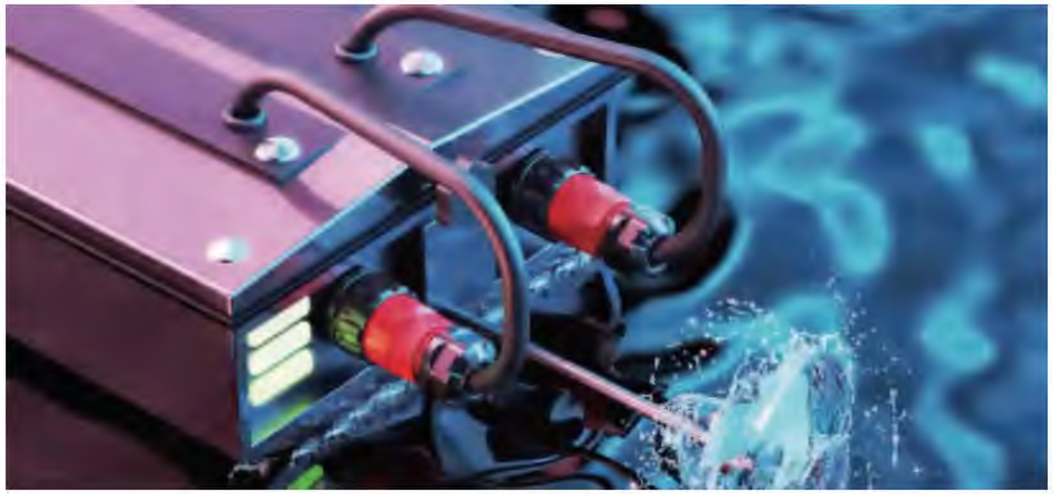
The product is in a sealed bag, with a small box in the large box, and a label on the small box. The label indicates the product name, model, batch number, and number of products. Packaged products are recommended to be stored in a warehouse with an ambient temperature of 25℃±3℃,a relative humidity of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

Check the official website YM series area:

Scan the QR code below to check the YM 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 YM series

Applications



YM - 20 series products are used in a water wading equipment

Features Overview

High corrosion resistance

The shell is made of high-performance outdoor engineering plastic material, which can adapt to various,highly corrosive application environments.

Weight

All-plastic structure design, light weight and sturdy.

Secure connection and secure locking

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

High protection level

In the connected state, it has the highest protection level of IP68, which can adapt to all kinds of wading or wet environments.

Type and Style

High corrosion resistance

YM series are all plastic models and are made of high-performance engineering plastic materials, which are the first choice in highly corrosive application scenarios.

Flexible installation

YM series has three installation methods: single-hole panel receptacle, four-hole flange receptacle, and wire-to-wire Floating connector.

Multiple wiring modes

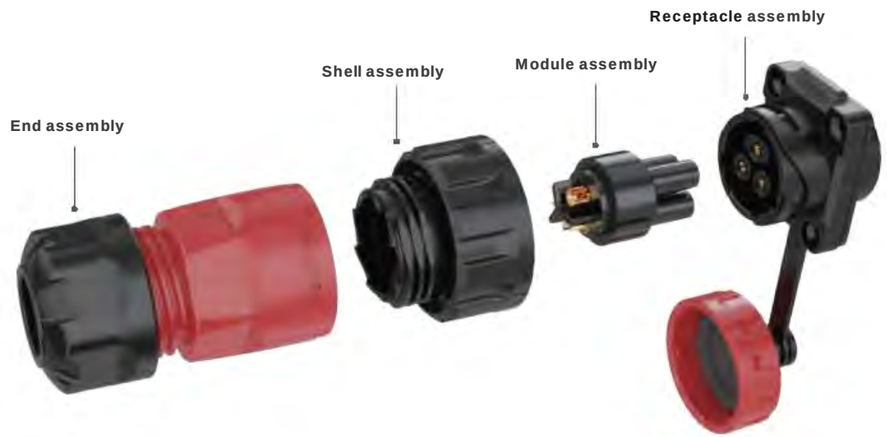
YM series provides product types with locking screw and soldering connection. Screw locking is quick and convenient, and soldering is more reliable.

Color customizable

At present, the main colors of YM24 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

YM-20 Series Information Overview P55

Product application type:	**Power: 2/3/4 Pins**	
	Signal: 5/7/9/12/14 pins	
	The current is connected with the operating voltage: 500V（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）.	
Cable O.D:	Multi-pin type: Φ12.0mm、Φ8.5mm、Φ6.5mm（Plastic）	
Details page:	Product Parameter Map: **P55**	Dimension Drawing: **P57**

YM-24 Series Information Overview P59

Product application type:	**Power: 2/3/4 pins**	
	Signal: 10/12/19/24 pins, RJ45, Optical fiber	**Data: USB, HDMI**
	The current is connected with the operating voltage: 500V（2~4pins）, 400V（10、12pins）, 250V（19、24pins） The rated current:45A(3pins), 35A(2~3pins), 25A(4pins), 10A(10、12pins), 5A(19、24pins)	
Cable O.D:	Multi-pin type: Φ10.5~13.2mm、Φ7.5~10.5mm	
	Data type: Φ5.0~7.0mm（USB、HDMI）	
	Signal type：Φ5.0~7.0mm（RJ45） ，Φ4.5~6.0mm（Optical fiber）	
Details page:	Product Parameter Map: **P59**	Dimension Drawing: **P61**

Main feature:

- Multi-style inner core design, multi-PIN, signal RJ45, optical fiber, data USB, HDMI, etc.
- Which has good fire resistance, compression resistance, deformation resistance;
- Gold-plated contacts, high corrosion resistance and electrical conductivity;
- Unique docking design, stable extension of infinite cable length;
- The signal transmission is fast and stable, and the data transmission can reach 10Gbps.

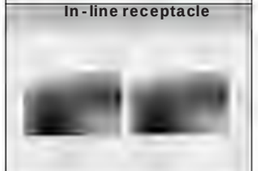
YM SERIES

YM-20 Datasheet

YM-20

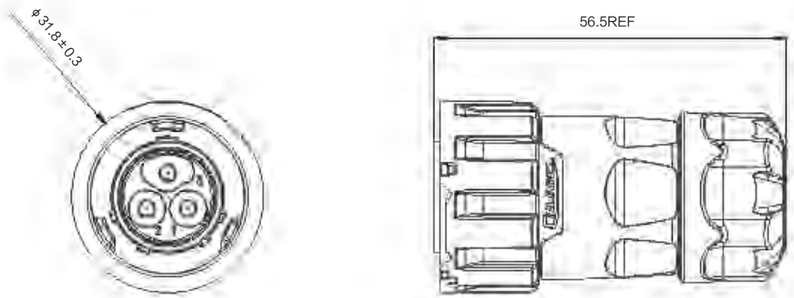
YM SERIES

YM20 Power/Signal	Product Series	YM-20				YM-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 500V				AC 500V	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	2.5mm²/12AWG 0.5mm²/20AWG	0.5mm²/20AWG		
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable				Standard is IP65, IP67&IP68 Option Avaliable				
	Assembly Method	Soldering/Screwing				Soldering				

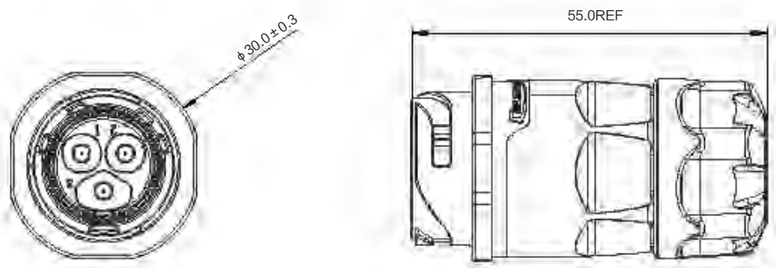
Illustration(2.0 Version)	Material		Part No					Part No			
plug	Plastic	Male	YM-20-C02PE-02-002A	YM-20-C03PE-02-002A	YM-20-C04PE-02-002A	YM-20-C05PE-02-002A	YM-20-C07PE-02-002A	YM-20-C08PE-02-051A	YM-20-C09PE-02-002A	YM-20-C12PE-02-002A	YM-20-C14PE-02-002A
		Female	YM-20-J02PE-02-002A	YM-20-J03PE-02-002A	YM-20-J04PE-02-002A	YM-20-J05PE-02-002A	YM-20-J07PE-02-002A	YM-20-J08PE-02-051A	YM-20-J09PE-02-002A	YM-20-J12PE-02-002A	YM-20-J14PE-02-002A
In-line receptacle 		Male	YM-20-C02PP-02-001A	YM-20-C03PP-02-001A	YM-20-C04PP-02-001A	YM-20-C05PP-02-001A	YM-20-C07PP-02-001A	YM-20-C08PP-02-051A	YM-20-C09PP-02-001A	YM-20-C12PP-02-001A	YM-20-C14PP-02-001A
		Female	YM-20-J02PP-02-001A	YM-20-J03PP-02-001A	YM-20-J04PP-02-001A	YM-20-J05PP-02-001A	YM-20-J07PP-02-001A	YM-20-J08PP-02-051A	YM-20-J09PP-02-001A	YM-20-J12PP-02-001A	YM-20-J14PP-02-001A
Single hole straight receptacle		Male	YM-20-C02SX-02-101A	YM-20-C03SX-02-101A	YM-20-C04SX-02-101A	YM-20-C05SX-02-101A	YM-20-C07SX-02-101A	YM-20-C08SX-02-151A	YM-20-C09SX-02-101A	YM-20-C12SX-02-101A	YM-20-C14SX-02-101A
		Female	YM-20-J02SX-02-101A	YM-20-J03SX-02-101A	YM-20-J04SX-02-101A	YM-20-J05SX-02-101A	YM-20-J07SX-02-101A	YM-20-J08SX-02-151A	YM-20-J09SX-02-101A	YM-20-J12SX-02-101A	YM-20-J14SX-02-101A
Four-hole flange receptacle		Male	YM-20-C02SX-02-402A	YM-20-C03SX-02-402A	YM-20-C04SX-02-402A	YM-20-C05SX-02-402A	YM-20-C07SX-02-402A	YM-20-C08SX-02-451A	YM-20-C09SX-02-402A	YM-20-C12SX-02-402A	YM-20-C14SX-02-403A
		Female	YM-20-J02SX-02-402A	YM-20-J03SX-02-402A	YM-20-J04SX-02-402A	YM-20-J05SX-02-402A	YM-20-J07SX-02-402A	YM-20-J08SX-02-451A	YM-20-J09SX-02-402A	YM-20-J12SX-02-402A	YM-20-J14SX-02-402A

YM-20 2.0 Version Dimension Drawing (unit: mm)

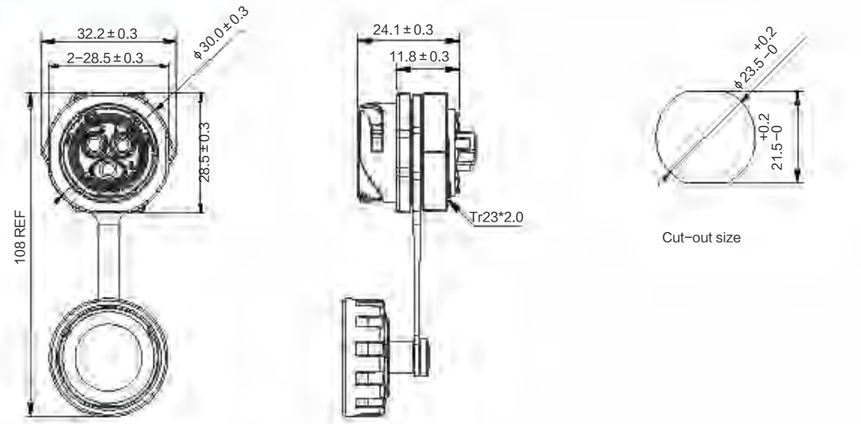
Second generation plug



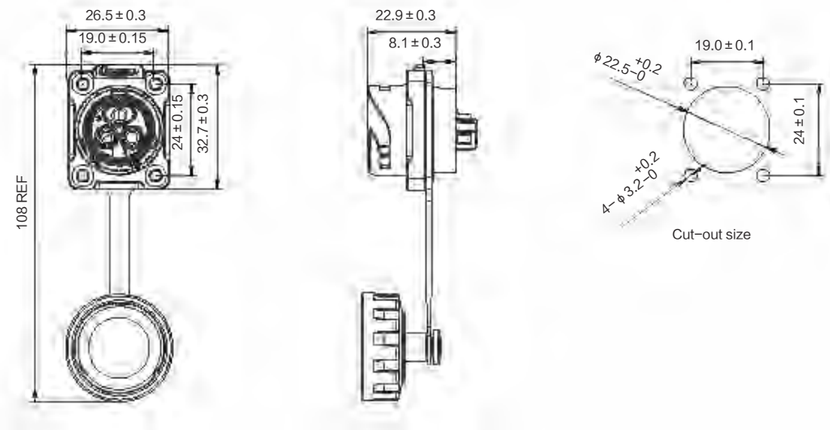
In-line receptacle



Single hole straight receptacle



Four-hole flange receptacle

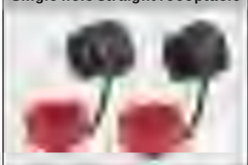


YM-24 Datasheet

YM-24

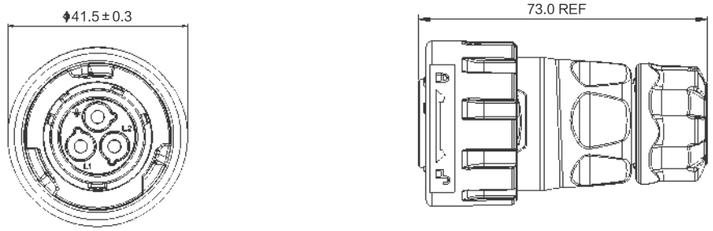
YM SERIES

YM24 Power/Signal	Product Series	YM-24					YM-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	Male Female					
	Current Rating	35A		45A	25A	10A	10A	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 5.0~7.0mm				ϕ 4.5~6.0mm
	Wire Size	6.0mm²/12AWG		8.0mm²/8AWG Electronic wire	4.0mm²/12AWG	1.5mm²/16AWG	1.5mm²/16AWG	0.5mm²/20AWG		—		—		—
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable					Standard is IP65, IP67&IP68 Option Avaliable							
	Assembly Method	Soldering/Screwing					Soldering							

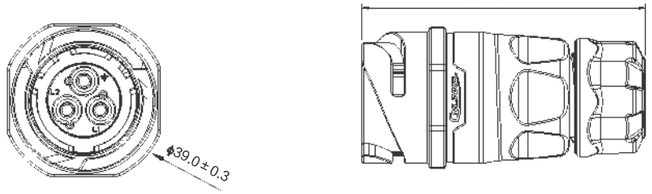
Illustration	Material		Part No					Part No							
Plug	Plastic	Male	YM-24-C02PE-02-035	YM-24-C03PE-02-035	YM-24-C03PE-02-050	YM-24-C04PE-02-001	YM-24-C10PE-02-001A	YM-24-C12PE-02-001A	YM-24-C19PE-02-001A	YM-24-C03PE-02-050	YM-24-C/RJ45/015/PE-42-001	YM24-HDMI-MP-MP-1M-001	YM-24-USB2-MP-MP-1M-001	YM24-USB3-MP-MP-1M-001	YM-24-C/LC/016/PE-42-002 YM-24-C/LC/016/PE-42-001
		Female	YM-24-J02PE-02-035	YM-24-J03PE-02-035	YM-24-J03PE-02-050	YM-24-J04PE-02-001	YM-24-J10PE-02-001A	YM-24-J12PE-02-001A	YM-24-J19PE-02-001A	YM-24-J03PE-02-050	—	—	—	—	—
In-line receptacle		Male	YM-24-C02PP-02-035	YM-24-C03PP-02-035	YM-24-C03PP-02-050	YM-24-C04PP-02-001	YM-24-C10PP-02-001A	YM-24-C12PP-02-001A	YM-24-C19PP-02-001A	YM-24-C03PP-02-050	—	—	—	—	—
		Female	YM-24-J02PP-02-035	YM-24-J03PP-02-035	YM-24-J03PP-02-050	YM-24-J04PP-02-001	YM-24-J10PP-02-001A	YM-24-J12PP-02-001A	YM-24-J19PP-02-001A	YM-24-J03PP-02-050	—	—	—	—	—
Single hole straight receptacle 		Male	YM-24-C02SX-02-135	YM-24-C03SX-02-135	YM-24-C03SX-02-150	YM-24-C04SX-02-101	YM-24-C10SX-02-101A	YM-24-C12SX-02-101A	YM-24-C19SX-02-101A	YM-24-C03SX-02-150	—	—	—	—	—
		Female	YM-24-J02SX-02-135	YM-24-J03SX-02-135	YM-24-J03SX-02-150	YM-24-J04SX-02-101	YM-24-J10SX-02-101A	YM-24-J12SX-02-101A	YM-24-J19SX-02-101A	YM-24-J03SX-02-150	YM-24-J/RJ45/213/SX-42-102	YM-24-J/HDMI2/213/SX-42-101	YM-24-J/USB2/213/SX-42-101A	YM-24-J/USB3/213/SX-42-101A	YM-24-J/LC/213/SX-42-102 YM-24-J/LC/213/SX-42-101
Four-hole flange receptacle		Male	YM-24-C02SX-02-435	YM-24-C03SX-02-435	YM-24-C03SX-02-450	YM-24-C04SX-02-401	YM-24-C10SX-02-401A	YM-24-C12SX-02-401A	YM-24-C19SX-02-401A	YM-24-C03SX-02-450	—	—	—	—	—
		Female	YM-24-J02SX-02-435	YM-24-J03SX-02-435	YM-24-J03SX-02-450	YM-24-J04SX-02-401	YM-24-J10SX-02-401A	YM-24-J12SX-02-401A	YM-24-J19SX-02-401A	YM-24-J03SX-02-450	YM-24-J/RJ45/213/SX-42-402	YM-24-J/HDMI2/213/SX-42-401	YM-24-J/USB2/213/SX-42-401A	YM-24-J/USB3/213/SX-42-401A	YM-24-J/LC/213/SX-42-402 YM-24-J/LC/213/SX-42-401

YM-24 Dimension Drawing (unit: mm)

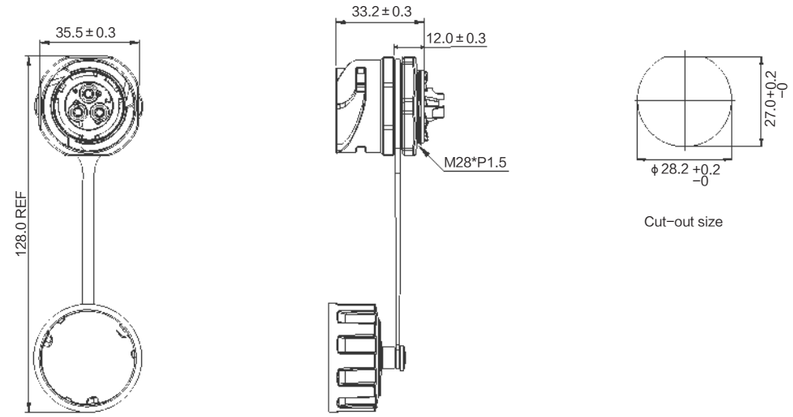
Plug



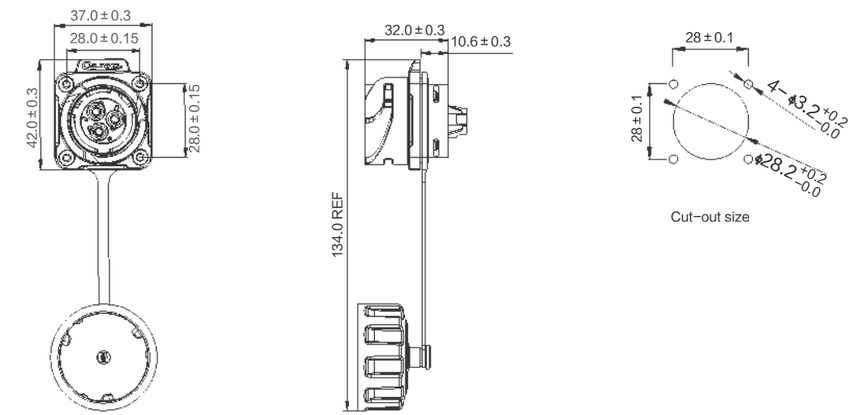
In-line receptacle



Single hole straight receptacle



Four-hole flange receptacle



BD SERIES

BD quick disconnect Waterproof connector

BD waterproof connector application type

CNLINKO's new BD (M20、M24 type) series of waterproof connectors adopts a streamlined dynamic design, one-button device end pressing and quick plugging, to prevent improper manual operation and cause the button fails on the user side, which effectively increases its service life.

Series product information:

Series code:	BD- 20 、BD- 24
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	Multiple Pins (2,3,4,5,6,7,8,9,10,12,14,19, 24 pins and customized 3+2, 2+6 pins, etc.) Signal (RJ45, optical fiber) Data (USB2.0, USB3.0, HDMI)
Material type:	Plastic type, metal type

Introduction:

Product types include eight categories,and there are power, multi-core, hybrid, USB2.0, USB3.0, HDMI, RJ45, optical fiber. The metal type uses a zinc alloy shell with high strength;and the plastic type uses engineering plastic shell and is light in weight. The product adopts snap lock, which can be operated with one hand, and easy to operate, safe and reliable.

Main body material, process and surface treatment:

Shell:	Material: Engineering Plastic/Metal | Surface treatment: Chrome plating	
	Production Process: Injection Molding & Die Casting & Machining Surface	

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 BD series area:

Scan the QR code below to check the BD 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 BD series

Applications

BD - 24 series are used in a mechanical equipment control box

Features Overview

Won the German Red Dot Design Award

The BD series won the German Red Dot Design Award. It is a perfect combination of artistic beauty and industrial products, which once again interprets the excellent innovative design concept of CNLINKO.

Built - in design

The connector socket is embedded into the device, reducing the distance between the installation panel and the exposed product, saving external space.

Push - in snap design

The in-line snap design can realize one-hand in-line insertion, quick connection, convenient and efficient.

High protection level

The highest protection level can reach waterproof IP68 when connected , which can adapt to various harsh working conditions.

Type and Style

Two types are available

Plastic and metal types are optional, which can meet the differentiated demands of users for high corrosion resistance, vibration resistance and impact resistance, and high strength.

Flexible installation methods

The BD series has four-hole flanged panel mount sockets and two-hole flanged panel mount sockets for optional . Users can choose them according to actual application scenarios.

A variety of wiring methods

BD series provides product types with locking screw and soldering connection. Screw locking is quick and convenient, and soldering is more reliable.

Multi - scene application

The BD series supports various applications such as power supply, data, signal, etc., and the application requirements of various symbols.

Product Structure Image

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

Series Infographic

BD-20 Series Information Overview P69

Product application type:	**Power: 2/3/4 pin** **Signal:** 5/7/9/12/14 pin The current is connected with the operating voltage: 500V（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）	
Cable O.D:	Multi-pin type: Φ10.0~12.2mm,Φ10.0~12.0mm，Φ7.0~8.5mm，Φ5.0~6.5mm	
Details page:	Product Parameter Map: **P69**	Dimension Drawing: **P71**

BD-24 Series Information Overview P73

Product application type:	**Power: 2/3/4 pin** **Signal: 10/12/19/24PIN、RJ45、Optical fiber** **Data: USB, HDMI** The current is connected with the operating voltage: 500V（10、12pins）, 300V（2~4pins）, 250V（19、24pins） The rated current: 45A(3pins)、35A(2、3pins)、25A(2~4pins)，10A(10、12pins)，5A(19、24pins)	
Cable O.D:	Multi-pin type: Φ10.5~14.0mm、Φ7.5~10.5mm，Φ5.0~7.0mm，Φ4.5~6.0mm Data type: Φ5.0~Φ7.0mm（USB、HDMI） Signal type：Φ5.0~Φ7.0mm（RJ45）, Φ4.5~Φ6.0mm（Optical fiber）	
Details page:	Product Parameter Map: **P73**	Dimension Drawing: **P75**

Main feature:

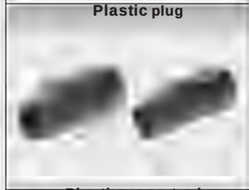
- Multi-purpose applicable design (power, data, signal) to meet diverse application needs;
- With strong applicability and complete electromagnetic and radio frequency interference protection;
- Unique integrated streamlined design;
- Gold-plated contacts, high corrosion resistance and electrical conductivity;
- The product meets waterproof IP67 protection level in the connected state.

BD-20 Datasheet

BD-20

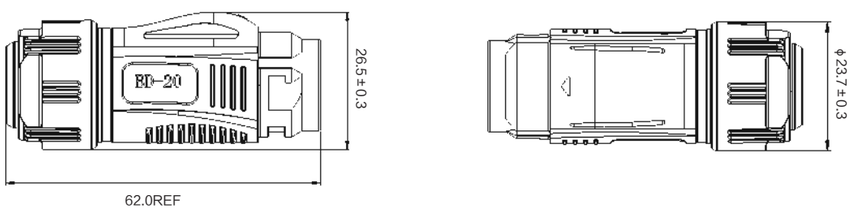
M20 Power/Signal

Product Series	BD-20				BD-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 500V				AC 500V	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	2.5mm²/12AWG 0.5mm²/20AWG	0.5mm²/20AWG			—
Protection Level	Standard is IP65, IP67&IP68 Option Avaliable						Standard is IP65, IP67&IP68 Option Avaliable			
Assembly Method	Soldering/Screwing				Soldering					

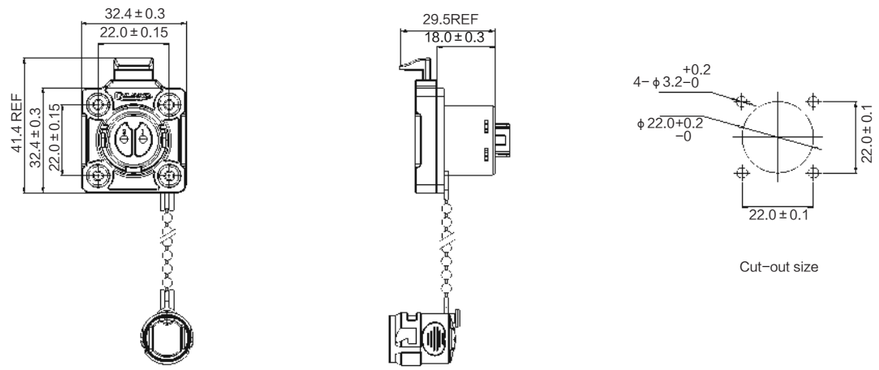
Illustration	Material		Part No				Part No					
Metal plug	Metal	Male	BD-20-C02PE-03-001A	BD-20-C03PE-03-001A	BD-20-C04PE-03-001A	BD-20-C05PE-03-001A	BD-20-C07PE-03-001A	BD-20-C08PE-03-001A	BD-20-C09PE-03-001A	BD-20-C12PE-03-001A	BD-20-C14PE-03-001A	—
		Female	BD-20-J02PE-03-001A	BD-20-J03PE-03-001A	BD-20-J04PE-03-001A	BD-20-J05PE-03-001A	BD-20-J07PE-03-001A	BD-20-J08PE-03-001A	BD-20-J09PE-03-001A	BD-20-J12PE-03-001A	BD-20-J14PE-03-001A	—
Metal receptacle		Male	BD-20-C02PE-03-401A	BD-20-C03PE-03-401A	BD-20-C04PE-03-401A	BD-20-C05PE-03-401A	BD-20-C07PE-03-401A	BD-20-C08PE-03-401A	BD-20-C09PE-03-401A	BD-20-C12PE-03-401A	BD-20-C14PE-03-401A	—
		Female	BD-20-J02PE-03-401A	BD-20-J03PE-03-401A	BD-20-J04PE-03-401A	BD-20-J05PE-03-401A	BD-20-J07PE-03-401A	BD-20-J08PE-03-401A	BD-20-J09PE-03-401A	BD-20-J12PE-03-401A	BD-20-J14PE-03-401A	—
Plastic plug 	Plastic	Male	BD-20-C02PE-02-001A	BD-20-C03PE-02-001A	BD-20-C04PE-02-001A	BD-20-C05PE-02-001A	BD-20-C07PE-02-001A	BD-20-C08PE-02-001A	BD-20-C09PE-02-001A	BD-20-C12PE-02-001A	BD-20-C14PE-02-001A	—
		Female	BD-20-J02PE-02-001A	BD-20-J03PE-02-001A	BD-20-J04PE-02-001A	BD-20-J05PE-02-001A	BD-20-J07PE-02-001A	BD-20-J08PE-02-001A	BD-20-J09PE-02-001A	BD-20-J12PE-02-001A	BD-20-J14PE-02-001A	—
Plastic receptacle		Male	BD-20-C02PE-02-401A	BD-20-C03PE-02-401A	BD-20-C04PE-02-401A	BD-20-C05PE-02-401A	BD-20-C07PE-02-401A	BD-20-C08PE-02-401A	BD-20-C09PE-02-401A	BD-20-C12PE-02-401A	BD-20-C14PE-02-401A	—
		Female	BD-20-J02PE-02-401A	BD-20-J03PE-02-401A	BD-20-J04PE-02-401A	BD-20-J05PE-02-401A	BD-20-J07PE-02-401A	BD-20-J08PE-02-401A	BD-20-J09PE-02-401A	BD-20-J12PE-02-401A	BD-20-J14PE-02-401A	—

BD-20 Dimension Drawing (unit: mm)

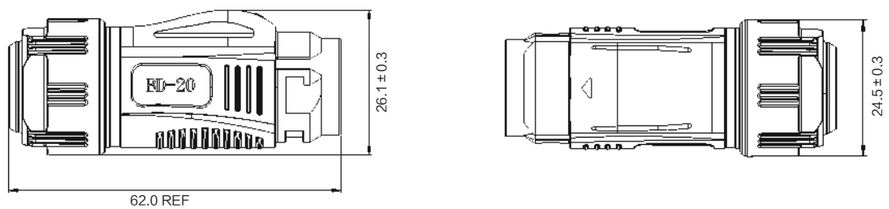
Metal plug



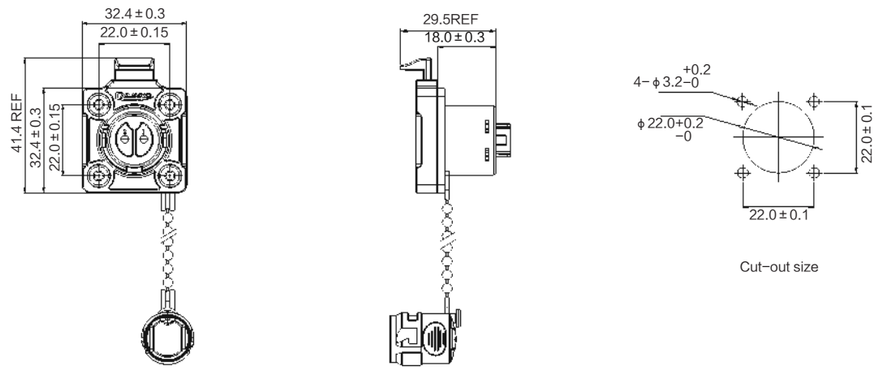
Metal Four - hole flange receptacle



Plastic plug



Plastic Four - hole flange receptacle



BD-24 Datasheet

BD-24

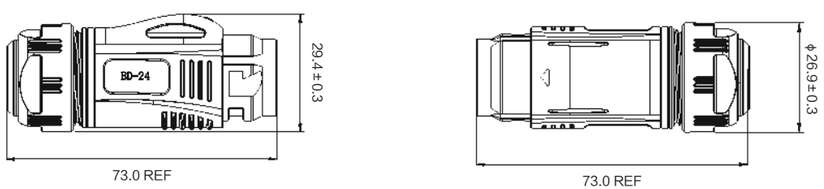
M24
Power/Signal

Product Series	BD-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	Male Female					
Current Rating	25A	35A	25A	35A	45A	25A	10A	10A		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	⩽ϕ14.0mm									⩽ϕ14.0mm		ϕ5.5~ ϕ7.0mm				ϕ4.5~6.0mm
Wire Size	6.0mm²/10AWG				8.0mm²/8AWG Electronic wire	4.0mm²/8AWG	1.5mm²/16AWG	1.5mm²/16AWG		0.5mm²/20AWG		26AWG		28AWG		—
Protection Level	Standard is IP65, IP67&IP68 Option Avaliable							Standard is IP65, IP67&IP68 Option Avaliable								
Assembly Method	Soldering/Screwing					Soldering		Soldering								

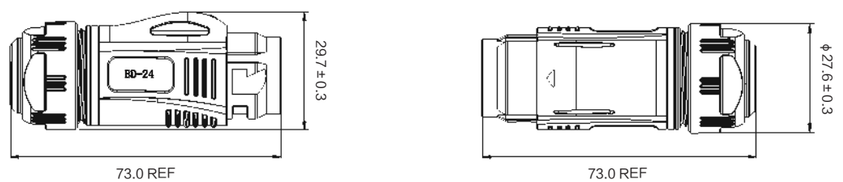
Illustration	Material		Part No					Part No							
Metal plug	Metal	Male	BD-24-C02PE-03-035	BD-24-C03PE-03-035	BD-24-C03PE-03-050	BD-24-C04PE-03-001	BD-24-C10PE-03-001A	BD-24-C12PE-03-001A	BD-24-C19PE-03-001A	BD-24-C24PE-03-001A	BD-24-C/RJ45/015/PE-43-001A	BD-24-C/HDMI2/016/PE-43-001	BD-24-C/USB3/016/PE-03-001	BD-24-C/USB3/016/PE-03-001	BD-24-C/LC/016/PE-42-002
		Female	BD-24-J02PE-03-035	BD-24-J03PE-03-035	BD-24-J03PE-03-050	BD-24-J04PE-03-001	BD-24-J10PE-03-001A	BD-24-J12PE-03-001A	BD-24-J19PE-03-001A	BD-24-J24PE-03-001A	—	—	—	—	BD-24-C/LC/016/PE-42-002
Metal receptacle		Male	BD-24-C02SX-03-237	BD-24-C03SX-03-237	BD-24-C03SX-03-257	BD-24-C04SX-03-207	BD-24-C10SX-03-207A	BD-24-C12SX-03-207A	BD-24-C19SX-03-207A	BD-24-C24SX-03-207A	—	—	—	—	BD-24-J/LC/213/SX-42-202
		Female	BD-24-J02SX-03-237	BD-24-J03SX-03-237	BD-24-J03SX-03-257	BD-24-J04SX-03-207	BD-24-J10SX-03-207A	BD-24-J12SX-03-207A	BD-24-J19SX-03-207A	BD-24-J24SX-03-207A	BD-24-J/RJ45/213/SX-43-202	BD-24-J/HDMI2/213/SX-43-201	BD-24-J/USB2/213/SX-43-202A	BD-24-J/USB3/213/SX-43-202A	BD-24-J/LC/213/SX-42-202
Four-hole flange receptacle		Male	BD-24-C02SX-03-437	BD-24-C03SX-03-437	BD-24-C03SX-03-450	BD-24-C04SX-03-407	BD-24-C10SX-03-407A	BD-24-C12SX-03-407A	BD-24-C19SX-03-407A	BD-24-C24SX-03-407A	—	—	—	—	BD-24-C/LC/016/PE-43-002
		Female	BD-24-J02SX-03-437	BD-24-J03SX-03-437	BD-24-J03SX-03-450	BD-24-J04SX-03-407	BD-24-J10SX-03-407A	BD-24-J12SX-03-407A	BD-24-J19SX-03-407A	BD-24-J24SX-03-407A	BD-24-J/RJ45/213/SX-43-402	BD-24-J/HDMI2/213/SX-43-407	BD24-J/USB2/213/SX-43-407A	BD-24-J/USB3/213/SX-43-407A	BD-24-C/LC/016/PE-43-002
Plastic plug	Plastic	Male	BD-24-C02PE-02-035	BD-24-C03PE-02-035	BD-24-C03PE-02-050	BD-24-C04PE-02-001	BD-24-C10PE-02-001A	BD-24-C12PE-02-001A	BD-24-C19PE-02-001A	BD-24-C24PE-02-001A	BD-24-C/RJ45/015/PE-42-001A	BD24-HDMI-MP-MP-1M-001	BD-24-C/USB3/016/PE-42-001A	BD24-USB3-MP-MP-1M-001	BD-24-J/LC/213/SX-43-202
		Female	BD-24-J02PE-02-035	BD-24-J03PE-02-035	BD-24-J03PE-02-050	BD-24-J04PE-02-001	BD-24-J10PE-02-001A	BD-24-J12PE-02-001A	BD-24-J19PE-02-001A	BD-24-J24PE-02-001A	—	—	—	—	BD-24-J/LC/213/SX-43-202
Plastic receptacle		Male	BD-24-C02SX-02-237	BD-24-C03SX-02-237	BD-24-C03SX-02-257	BD-24-C04SX-02-207	BD-24-C10SX-02-207A	BD-24-C12SX-02-207A	BD-24-C19SX-02-207A	BD-24-C24SX-02-207A	—	—	—	—	BD-24-J/LC/213/SX-43-201
		Female	BD-24-J02SX-02-237	BD-24-J03SX-02-237	BD-24-J03SX-02-257	BD-24-J04SX-02-207	BD-24-J10SX-02-207A	BD-24-J12SX-02-207A	BD-24-J19SX-02-207A	BD-24-J24SX-02-207A	BD-24-J/RJ45/213/SX-42-202	BD-24-J/HDMI2/213/SX-42-201	BD-24-J/USB2/213/SX-42-202A	BD-24-J/USB3/213/SX-42-202A	BD-24-J/LC/213/SX-43-201

BD-24 Dimension Drawing (unit: mm)

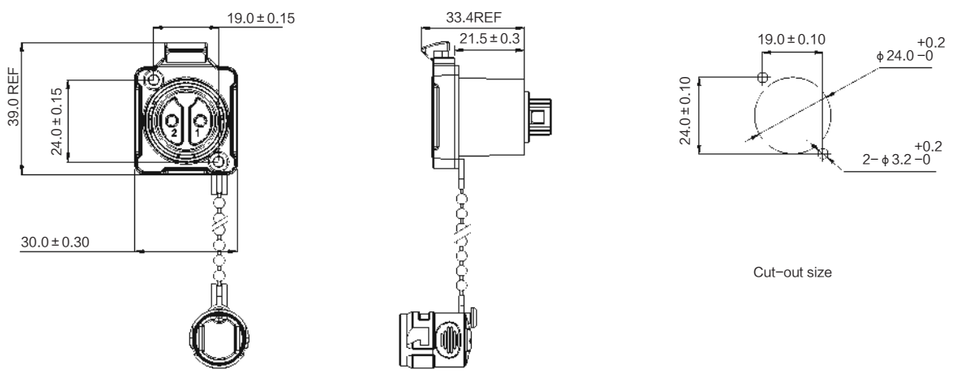
Metal plug



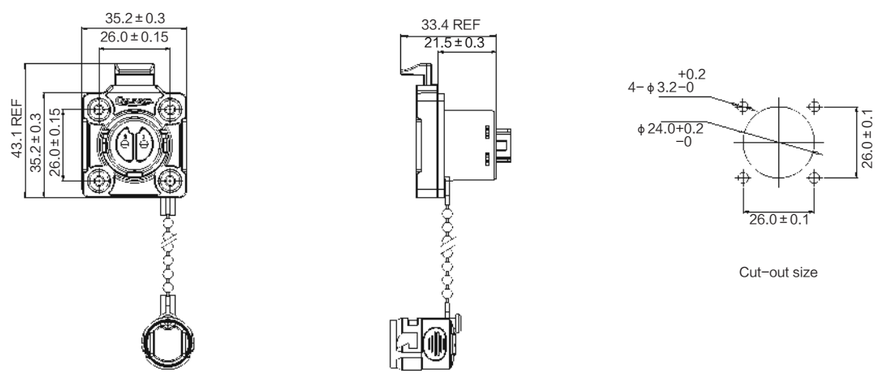
Plastic plug



Two-hole flange receptacle



Four-hole flange receptacle



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

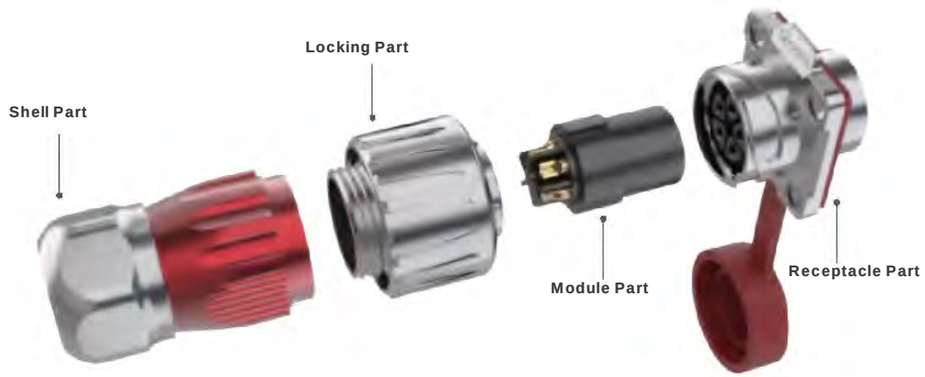
DH series provides product types with screw and welding. The screw is quick and convenient, and the welding is more reliable. The conventional model is a welding model, and it supports customization of the lock screw model.

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.



DH SERIES

Series Infographic

DH SERIES

DH-20 Series Information Overview P83

Product application type:	**Power: 2/3/4 Pin**	
	Signal: 5/7/9/12/14 pin	
	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）	
Cable O.D:	Multi-pin type: Φ10.0~12.2mm,Φ10.0~12.0mm, Φ7.0~8.5mm, Φ5.0~6.5mm	
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） The rated current: 45A(3pins)、35A(2、3pins)、25A(4pins), 10A(10、12pins), 5A(19、24pins)	
Cable O.D:	Multi-pin type: Φ10.5~14.0mm、Φ7.5~10.5mm、Φ5.0~7.0mm、Φ4.5~6.0mm	
	Data type: Φ5.0~Φ7.0mm（USB、HDMI）	
	Signal type：Φ5.0~Φ7.0mm（RJ45）, Φ4.5~Φ6.0mm（Optical fiber）	
Details page:	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

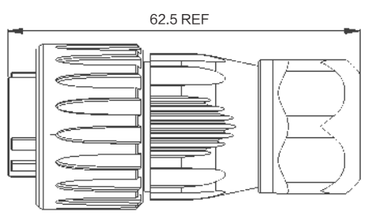
DH-20

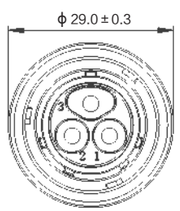
M20 Power/Signal	Product Series	DH-20				DH-20					
	Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN	—
	Application Type Section	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	—
	Current Rating	20A			10A	10A	20A+5A	5A			—
	Voltage 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 Avaliable						Standard is IP65, IP67&IP68 Option Avaliable			
	Assembly Method	Soldering / Screwing				Soldering					

Illustration	Material		Part No				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	—

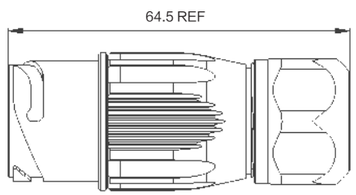
DH-20 Dimension Drawing (unit: mm)

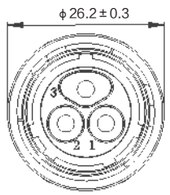
Plastic plug



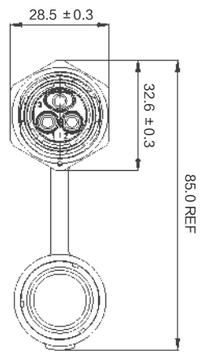


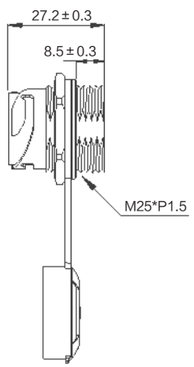
In-line receptacle

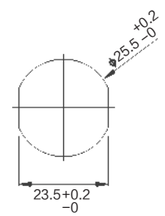




Single hole straight receptacle

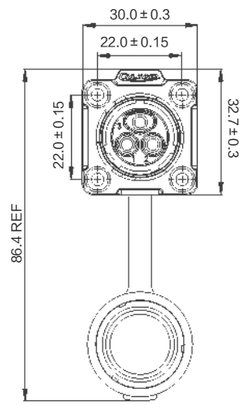


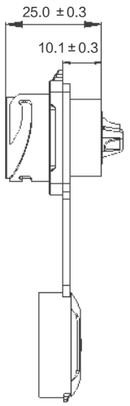


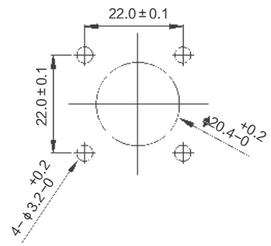


Cut-out size

Four-hole flange receptacle







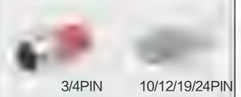
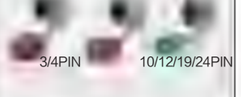
Cut-out size

DH-24 Datasheet

DH-24

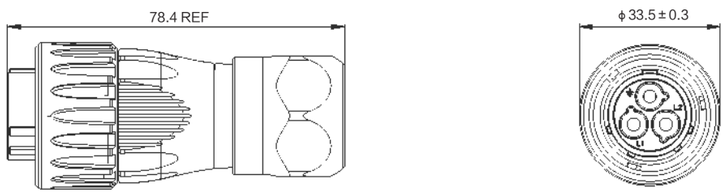
M24 Power/Signal

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	Male Female					
Current Rating	35A		45A	25A	10A	10A	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	6.0mm²/10AWG		8.0mm²/8AWG	4.0mm²/12AWG	1.5mm²/12AWG	1.5mm²/12AWG	0.5mm²/20AWG		26AWG		28AWG		—
Protection Level	Standard is IP65, IP67&IP68 Option Avaliable						Standard is IP65, IP67&IP68 Option Avaliable						
Assembly Method	Soldering/Screwing		Soldering				Soldering						

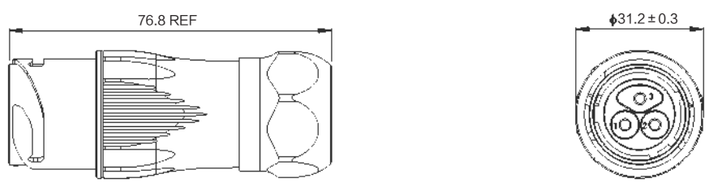
Illustration	Material	Part No												
plug 3/4PIN 10/12/19/24PIN	Metal	Male	DH-24-C02PE-03-035	DH-24-C03PE-03-035	DH-24-C03PE-03-050	DH-24-C04PE-03-001	DH-24-C10PE-03-001A	DH-24-C12PE-03-001A	DH-24-C19PE-03-001A	DH-24-C24PE-03-001A	DH-24-C/RJ45/015/PE-43-001	DH24-HDMI-MP-MP-1M-001	DH-24-C/USB3/015/PE-43-001	DH24-USB3-MP-MP-1M-001	DH-24-C/LC/015/PE-43-003 DH-24-C/LC/015/PE-43-002
		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  3/4PIN 10/12/19/24PIN		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	—	—	—	—	—
		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	—	—	—	—	—
		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  3/4PIN 10/12/19/24PIN		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	—	—	—	—	—
		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)

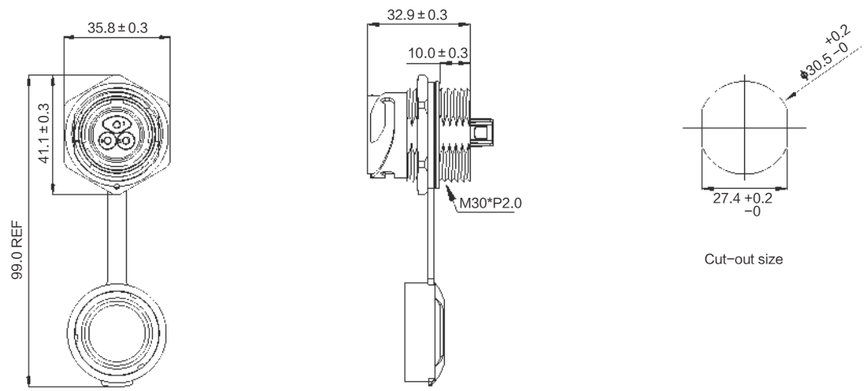
plug



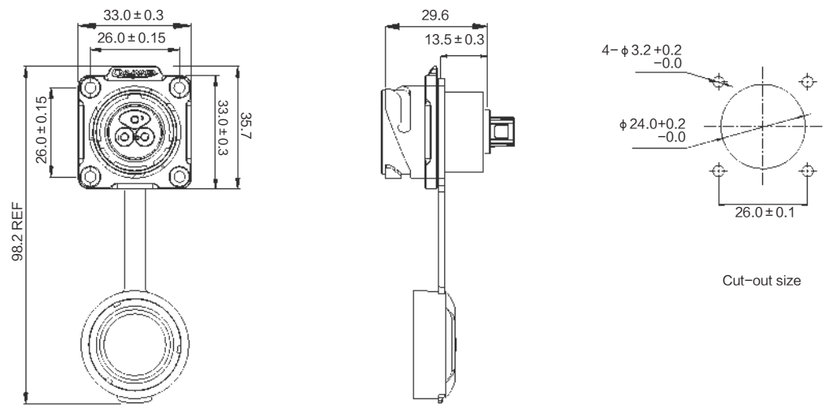
In-line receptacle



Single hole straight receptacle



Four-hole flange receptacle



EV SERIES

Quick Plug Plastic Waterproof Connector

EV waterproof connector application type

Cnlinko EV20 (M20 type) series connectors, riveted terminal design, meet the needs of mass assembly in factories, adopt a foolproof structure to prevent mis-pressing, improve safety, and the snaps can be divided into colors for visual management.

- **Series product information:**

Series code:	EV- 20
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	· Multi-PINS (2,3 pins)
Material type:	Plastic type

- **Introduction:**

Product types include 2 pin and 3 pin power supplies. Plastic shell, light weight, good toughness, strong corrosion resistance, riveted terminal design, can be operated with one hand, easy to operate, Safe and reliable.

- **Main body material, process and surface treatment:**

Shell:	Material: Engineering Plastic	Production process: Injection molding

- **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.

Applications

EV-20 series products are used in a communication equipment control box

Features Overview

Reliable waterproof performance

The protection level reaches IP67 in the connected state, providing good electrical protection performance for the equipment.

Stable and secure connection

The riveting type wiring method, the snap lock connection, is convenient, fast, safe and firm.

Product structure diagram

The precise structural positioning system ensures the safety and stability of the connection performance.

Installation method

The socket adopts flange panel installation, which is convenient and stable.

Series Infographic

EV-20 Series Information Overview

P95

Product application type:	**Power: 2/3 Pin**	
	The current is connected with the operating voltage: 500V（2、3pins） The rated current: 20A（2、3pins）	
Cable O.D:	Multi-pin type: 2*Φ4.2mm、3*Φ4.2/3*Φ3.8mm、 ϕ5~ϕ6.5mm、 ϕ9~ϕ12mm	
Details page:	Product Parameter Map: **P95**	Dimension Drawing: **P96**

Main feature:

- Multi-purpose applicable design (power, data, signal) to meet diverse application needs;
- Strong applicability and complete electromagnetic and radio frequency interference protection;
- Unique integrated streamlined design;
- Gold-plated contacts, high corrosion resistance and electrical conductivity;
- The product meets the IP67 protection level in the connected state.

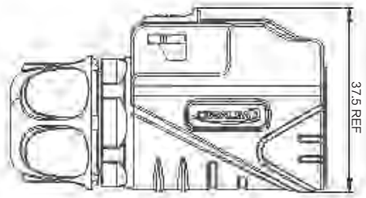
EV-20

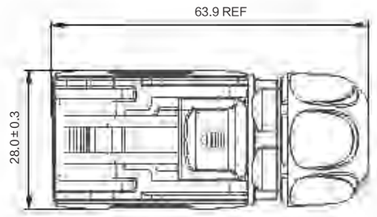
EV-20 Datasheet

M20 Power	Product Series	EV-20		
	Pin Number	2PIN	3PIN	
	Application Type Section	Male Female	Male Female	
	Current Rating	20A		
	Voltage Rating	AC 500V		
	Wire Size	2*Φ4.2mm	3*Φ4.2mm	
	Protection Level	4.0mm²/12AWG		
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable		
	Assembly Method	Riveting/Soldering/Screwing		
Illustration	Material	Part No		
Plug	Plastic	Male	EV-20-C02PE-32-001	EV-20-C03PE-32-001
Four-hole flange receptacle		Female	EV-20-J02SX-32-401	EV-20-J03SX-32-401

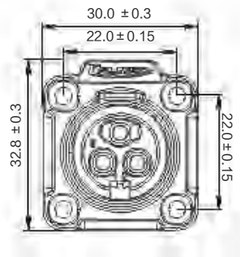
EV-20 Dimension Drawing (unit: mm)

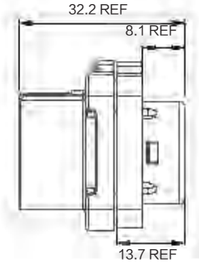
Plug

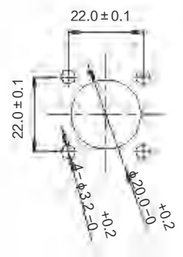




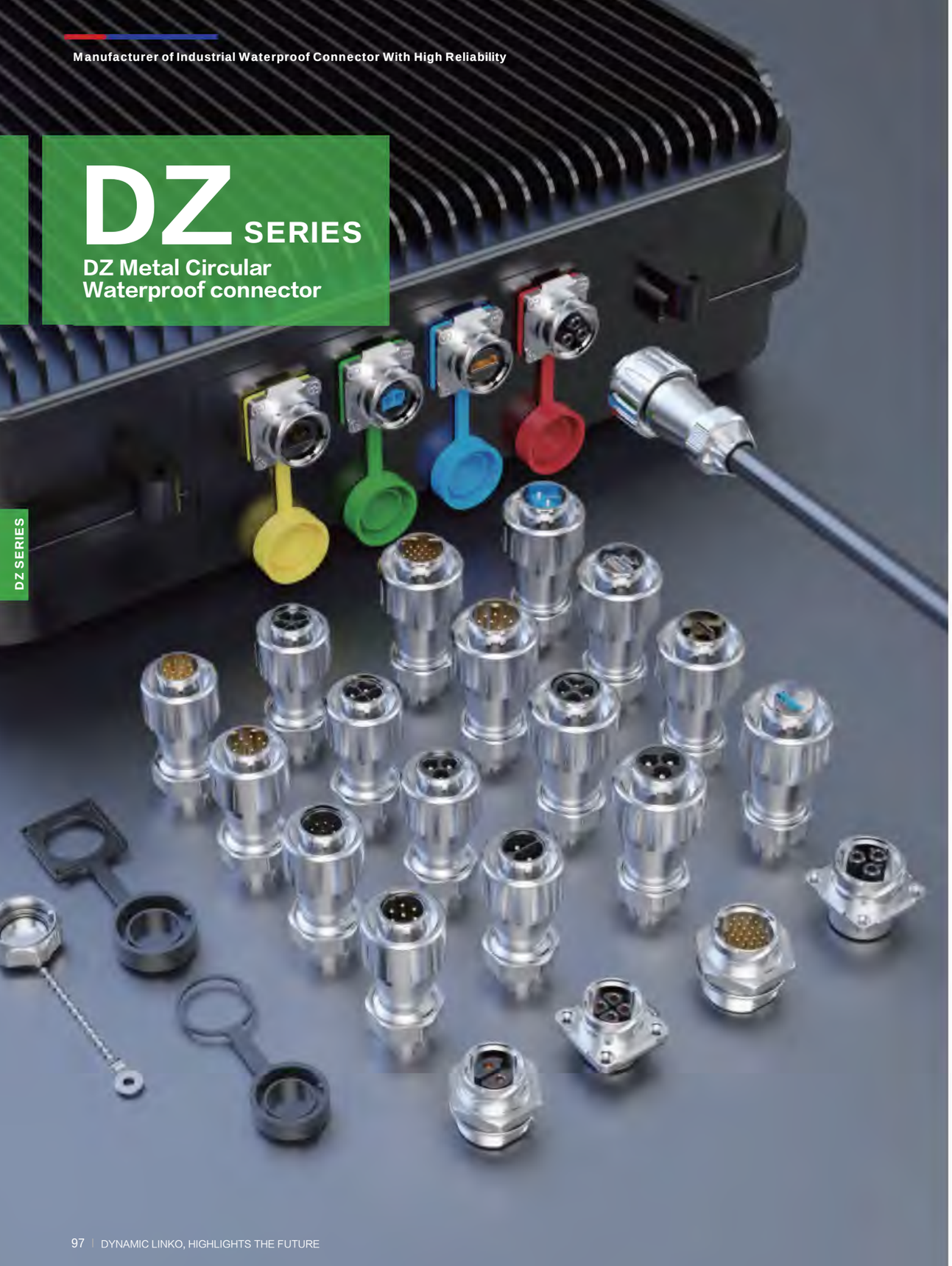
Four-hole flange receptacle







Cut-out size



DZ SERIES

DZ Metal Circular Waterproof connector

DZ waterproof connector application type

CNLINKO's new DZ (M20, M24) series waterproof connectors use metal shells and a unique spring-type rotary locking connection as a whole. Precise internal construction and robust 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:	DZ- 20 、DZ- 24
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	Multi-pin (2, 3, 4, 5, 7, 9, 10, 12, 14, 19, 24 pins and customized 3+2, 2+6 pins, etc.) Signal (RJ45, optical fiber) Data (USB2.0, USB3.0, HDMI2.0)
Material type:	Metal type

- **Introduction:**

Product types include power, multi-pin, hybrid, USB2.0, USB3.0, HDMI, RJ45, optical fiber eight categories. All metal shell, high impact strength, effectively reduce the electromagnetic and signal interference caused by external current, adopt military standard three-point screw locking, safe and reliable.

- **Main body material, process and surface treatment:**

Shell:	Material: Metal	Surface treatment: Chrome plating
	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.

Applications

DZ-24 series are used in a monitoring equipment control box

Features Overview

Suitable for a variety of mechanical shock environments

Bayonet technology, adopts three-point screw locking connection, which is safe and stable.

Various application types available

DZ series has power, signal, optical fiber, data and other application types to choose from, which can meet the different needs of different users.

Product Structure

Alloy metal shell, precise process structure.

Flexible installation methods

DZ series has optional installation methods such as Panel Mounting Rear Locking and Flange Mounting. Users can choose according to actual application scenarios.

Series Infographic

DZ SERIES

DZ-20 Series Information Overview P101

Product application type:	**Power: 2/3/4 pin**	
	Signal: 5/7/9/12/14 pin	
	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)	
Cable O.D:	Multi-pin type: Φ10.0~12.0mm, Φ7.0~8.5mm, Φ5.0~6.5mm	
Details page:	Product Parameter Map: **P101**	Dimension Drawing: **P103**

DZ-24 Series Information Overview P105

Product application type:	**Power: 2/3/4 pin** **Signal: 10/12/19/24PIN、RJ45、Optical fiber**	
	Data: USB, HDMI	
	The current is connected with the operating voltage: 500V (10、12pins), 300V (2~4pins), 250V (19、24pins) The rated current: 45A(3pins), 35A(2、3pins), 25A(4pins), 10A(10、12pins), 5A(19、24pins)	
Cable O.D:	Multi-pin type: Φ10.0~12.0mm, Φ7.0~8.5mm, Φ5.0~6.5mm	
	Data type: Φ5.0~Φ7.0mm (USB、HDMI)	Signal type: Φ5.0~Φ7.0mm (RJ45、Optical fiber)
Details page:	Product Parameter Map: **P105**	Dimension Drawing: **P107**

Main feature:

- Multi-style design, multi-PIN, signal RJ45, optical fiber, data USB, HDMI, etc;
- Adopt military standard three-point screw type compression connection;
- Effectively reduce electromagnetic and signal RF interference caused by external high current;
- Unique docking design, stable extension of infinite cable length;
- The signal transmission is fast and stable, and the data transmission can reach 10Gbps.

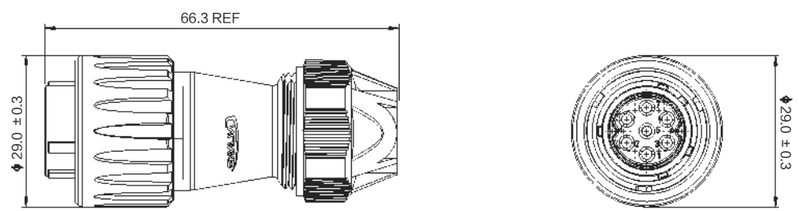
DZ-20 Datasheet

DZ-20

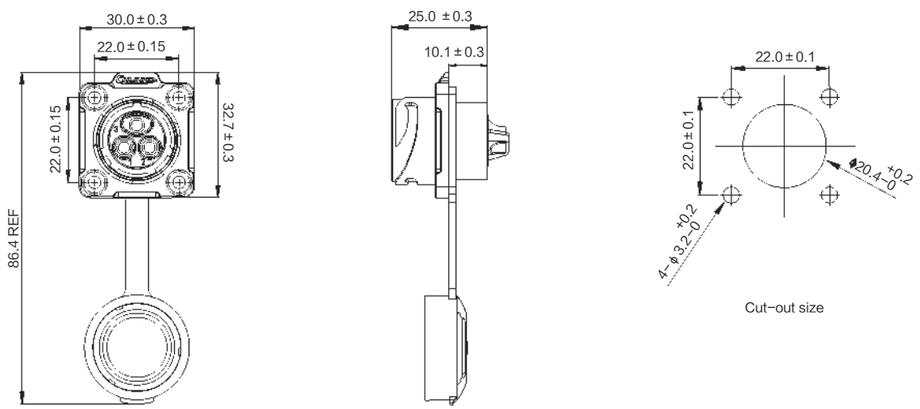
M20 Power/Signal	Product Series	DZ-20				DZ-20						
	Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN	—	
	Application Type Section	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	—	
	Current Rating	20A			10A	10A	20A+5A	5A			—	
	Voltage 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	2.5mm²/12AWG 0.50mm²/20AWG	0.5mm²/20AWG			—	
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable						Standard is IP65, IP67&IP68 Option Avaliable			—	
	Assembly Method	Soldering / Screwing	Soldering	Soldering / Screwing	Soldering	Soldering / Screwing	Soldering				—	
Illustration	Material	Part No						Part No				
Plug	Metal	Male	DZ-20-C02PE-03-001A	DZ-20-C03PE-03-001A	DZ-20-C04PE-03-001A	DZ-20-C05PE-03-001A	DZ-20-C07PE-03-001A	DZ-20-C08PE-03-001A	DZ-20-C09PE-03-001A	DZ-20-C12PE-03-001A	DZ-20-C14PE-03-001A	—
		Female	DZ-20-J02PE-03-001A	DZ-20-J03PE-03-001A	DZ-20-J04PE-03-001A	DZ-20-J05PE-03-001A	DZ-20-J07PE-03-001A	DZ-20-J08PE-03-001A	DZ-20-J09PE-03-001A	DZ-20-J12PE-03-001A	DZ-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-03-002A	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-03-002A	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-03-102A	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-03-102A	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-03-402A	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-03-402A	DH-20-J09SX-03-401A	DH-20-J12SX-03-401A	DH-20-J14SX-03-401A	—

DZ-20 Dimension Drawing (unit: mm)

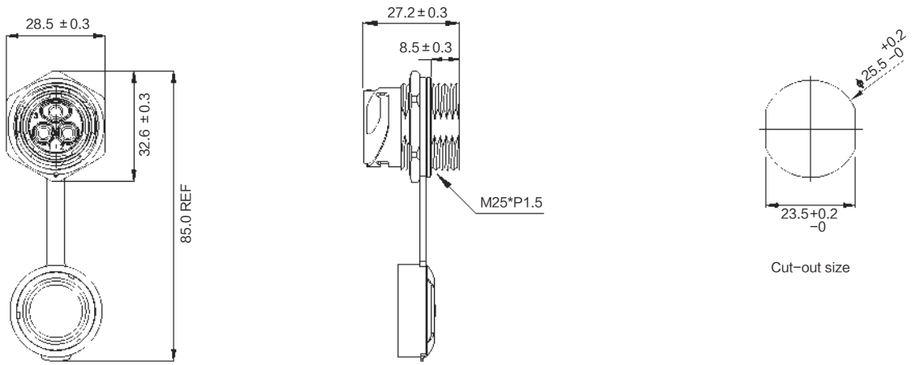
Plug



Four-hole flange receptacle



Single hole straight receptacle



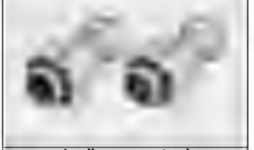
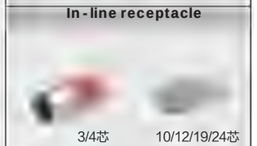
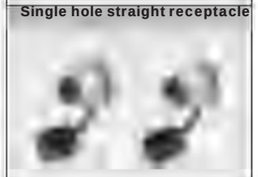
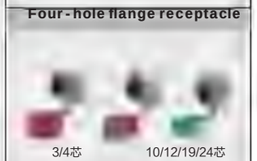
DZ SERIES

DZ SERIES

DZ-24 Datasheet

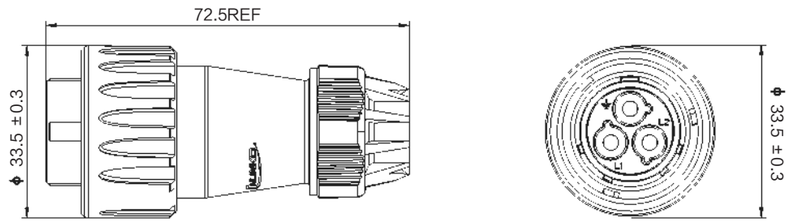
DZ-24

M24 Power/Signal	Product Series	DZ-24						DZ-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		Male Female						
	Current Rating	35A	35A	45A	25A	10A		10A		5A				1.5A	0.5A	500mA	900mA	—
	Voltage Rating	AC 300V				AC 500V		AC 500V		AC 250V				AC 125V	AC 5V	AC 5V	AC 5V	—
	Cable O.D Range	⩽ ϕ 12.0mm								⩽ ϕ 12.0mm				⩽ ϕ 7.0mm				⩽ ϕ 6.0mm
	Wire Size	6.0mm²/10AWG		8.0mm²/8AWG	4.0mm²/12AWG	1.5mm²/16AWG		1.5mm²/16AWG		0.5mm²/20AWG				26AWG		24AWG+28AWG		—
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable								Standard is IP65, IP67&IP68 Option Avaliable								
	Assembly Method	Soldering / Screwing								Soldering								

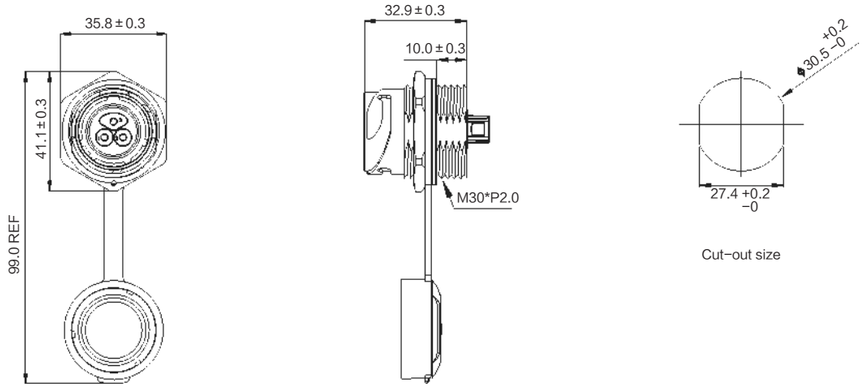
Illustration	Material		Part No														
Plug 	Metal	Male	DZ-24-C02PE-03-035	DZ-24-C03PE-03-035	DZ-24-C03PE-03-050	DZ-24-C04PE-03-001	DZ-24-C10PE-03-001A	DZ-24-C12PE-03-001A	DZ-24-C19PE-03-001A	DZ-24-C24PE-03-001A	DZ-24-C/RJ45/015/PE-43-001	DZ-24-C/HDMI2/016/PE-43-001	DZ-24-C/USB2/016/PE-43-001	DZ-24-C/USB3/016/PE-43-001	DZ-24-C/LC/016/PE-43-002 DZ-24-C/LC/016/PE-43-001
		Female	DZ-24-J02PE-03-035	DZ-24-J03PE-03-035	DZ-24-J03PE-03-050	DZ-24-J04PE-03-001	DZ-24-J10PE-03-001A	DZ-24-J12PE-03-001A	DZ-24-J19PE-03-001A	DZ-24-J24PE-03-001A	—	—	—	—	—
In-line receptacle  3/4芯 10/12/19/24芯		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	—	—	—	—	—
		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	—	—	—	—	—
		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  3/4芯 10/12/19/24芯		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	—	—	—	—	—
		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-43-401A	DH-24-J/LC/213/SX-43-403 DH-24-J/LC/213/SX-43-401

DZ-24 Dimension Drawing (unit: mm)

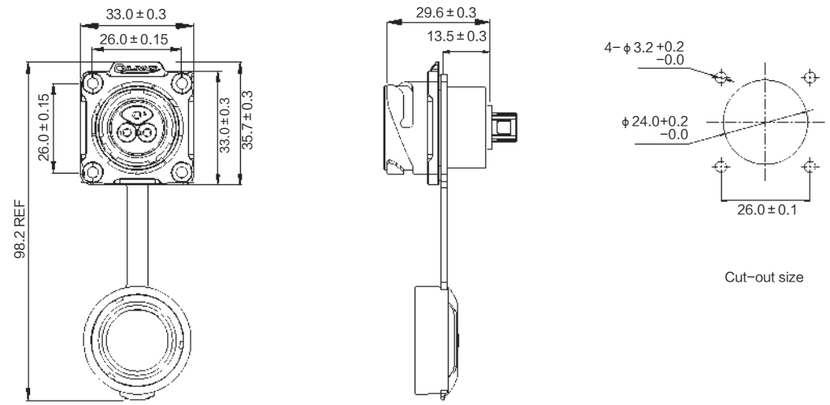
Plug



Single hole straight receptacle



Four hole flange receptacle



DZ SERIES

YA SERIES

Cap Self-locking Waterproof Connector

Application Type of YA Waterproof Connector

CNLINKO YA (M20) series is widely used in industrial LED display, audio, commercial, entertainment, stage equipment, DMX lighting, Industrial equipment with unique bayonet design,rotary locking and easy operation,which includes a series of multi-pin metal connectors, this series not only provides male plug, female Receptacle, can be soldered, simple and reliable quick locking system to ensure complete connection.

Series product information:

Series code:	YA- 20
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	Multi Pins（2、3、4、5、7、9、12、14pins） The working voltage of the power connection can reach 500V, current rated is 20A (2、3、 4 pin), 10A (5、7 pin), 5A (9、12、14 pin)
Material type:	Plastic + Metal Type

Introduction:

Product types include power 2, 3, 4, 5, 7, 9, 12, 14 pin. Metal Type uses a zinc alloy shell, which has high strength; the plastic type uses an engineering plastic shell, which is light in weight.The socket adopts the automatic flip protection function, which is easy to operate, safe and stable.

Main body material, process and surface treatment:

Shell:	Material: Engineering Plastic/Metal	Surface Treatment: chrome plating
	Production Process: Injection Molding & 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	
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 YA series area:

Scan the QR code below to check the YA 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 YA series

Applications

YA-20 series products are used in a control box of an automation equipment

Features Overview

Bayonet locking connection

YA series adopts Bayonet locking connection, which is convenient, fast, safe and firm.

Cap self-locking protective cover

The automatic flip-top dust protection cover effectively protects the internal structure of the Receptacle in real time.

Schematic diagram of product structure

The precise structural positioning system ensures the safety and stability of the connection performance.

Installation method

The Receptacle adopts two-hole and single-hole panel installation, which is convenient and stable; it can be used for front or rear connection.

Series Infographic

YA-20 Series Information Overview P113

Product application type:	**Power: 2/3/4 Pin**	
	Signal: 5/7/9/12/14 Pin	
	The current is connected with the operating voltage: 500V（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）	
Cable O.D:	Multi-pin type: Φ10.0~12.0mm，Φ7.0~8.5mm，Φ5.0~6.5mm	
	Signal type: Φ5.0~Φ6.5mm	
Details page:	Product Parameter Map: **P113**	Dimension Drawing: **P113**

Main feature:

- Use plastic and alloy external protective materials to effectively reduce electromagnetic and signal radio frequency interference generated by external high currents;
- Gold-plated contacts, high-strength corrosion resistance and electrical conductivity, can effectively cope with the temperature rise caused by the current;
- The automatic flip-proof dust protection cover can effectively protect the internal components of the socket in real time;
- Current Rated:5A/10A/20A ;
- The product meets the IP67 protection level when connected.

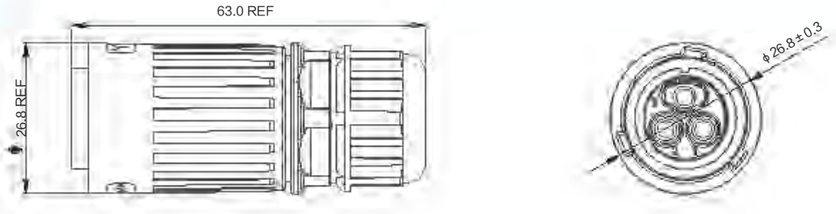
YA-20 Datasheet

M20 Power/Signal	Product Series	YA-20				YA-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 500V				AC 500V	AC 250V	AC 250V			—
	Cable O.D Range	⩽ ϕ 12.0mm						⩽ ϕ 12.0mm			—
	Wire Size	2.5mm²/12AWG			1.5mm²/16AWG		2.5mm²/12AWG 0.5mm²/20AWG	0.5mm²/20AWG			—
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable						Standard is IP65, IP67&IP68 Option Avaliable			
	Assembly Method	Soldering / Screwing				Soldering					

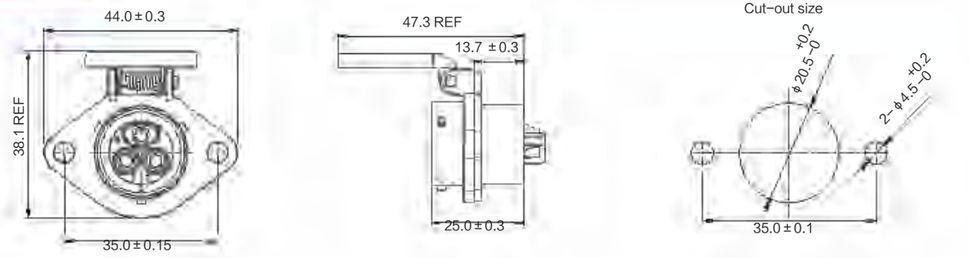
Illustration	Material		Part No				Part No					
Plastic plug	Plastic / Metal	Male	YA-20-C02PE-01-001A	YA-20-C03PE-01-001A	YA-20-C04PE-01-001A	YA-20-C05PE-01-001A	YA-20-C07PE-01-001A	YA-20-C08PE-01-001A	YA-20-C09PE-01-001A	YA-20-C12PE-01-001A	YA-20-C14PE-01-001A	—
		Female	YA-20-J02PE-01-001A	YA-20-J03PE-01-001A	YA-20-J04PE-01-001A	YA-20-J05PE-01-001A	YA-20-J07PE-01-001A	YA-20-J08PE-01-001A	YA-20-J09PE-01-001A	YA-20-J12PE-01-001A	YA-20-J14PE-01-001A	—
Metal plug		Male	YA-20-C02PE-03-001A	YA-20-C03PE-03-001A	YA-20-C04PE-03-001A	YA-20-C05PE-03-001A	YA-20-C07PE-03-001A	YA-20-C08PE-03-001A	YA-20-C09PE-03-001A	YA-20-C12PE-03-001A	YA-20-C14PE-03-001A	—
		Female	YA-20-J02PE-03-001A	YA-20-J03PE-03-001A	YA-20-J04PE-03-001A	YA-20-J05PE-03-001A	YA-20-J07PE-03-001A	YA-20-J08PE-03-001A	YA-20-J09PE-03-001A	YA-20-J12PE-03-001A	YA-20-J14PE-03-001A	—
Two-hole flange receptacle		Male	YA-20-C02SX-03-201A	YA-20-C03SX-03-201A	YA-20-C04SX-03-201A	YA-20-C05SX-03-201A	YA-20-C07SX-03-201A	YA-20-C08SX-03-201A	YA-20-C09SX-03-201A	YA-20-C12SX-03-201A	YA-20-C14SX-03-201A	—
		Female	YA-20-J02SX-03-201A	YA-20-J03SX-03-201A	YA-20-J04SX-03-201A	YA-20-J05SX-03-201A	YA-20-J07SX-03-201A	YA-20-J08SX-03-201A	YA-20-J09SX-03-201A	YA-20-J12SX-03-201A	YA-20-J14SX-03-201A	—

YA-20 Dimension Drawing (unit: mm)

Plug



Receptacle



YA SERIES

YZ SERIES

YZ Optical fiber Waterproof connector

YZ waterproof connector application type

YZ(M20) connector, using full zinc alloy shell structure and pure gold plated contacts, meets the application requirements of high-end products, uses rotary locking, safe and firm, 3Pin power supply and different number of pins are compatible at the same time, and are widely used in different field.

- **Series product information:**

Series code:	YZ- 20
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	Multi Pins（2、3、4、5、7、9、12、14pin） The working voltage of the power connection can reach 300V, current rated is 20A (2、3、 4 pin), 10A (5、7 pin), 5A (9、12,14 pin)
Material type:	Metal type

- **Introduction:**

Product types include power 2, 3, 4, 5, 7, 9, 12, 14 pin. The metal model uses a zinc alloy shell, which has high strength; the plastic model uses an engineering plastic shell, which is light in weight.

- **Main body material, process and surface treatment:**

Shell:	Material: Metal	Surface treatment: Chrome plating
	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	
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 YZ series area:**

Scan the QR code below to check the BD 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 YZ series

Applications

YZ 20 series products are used in a control box of an automation equipment

Features Overview

Bayonet Design

YZ series adopts Bayonet locking connection, which is convenient, fast, safe and firm.

Electromagnetic and RFI protection

All-zinc alloy housing with complete electromagnetic and radio frequency interference protection to meet the matching needs of various application environments.

Schematic diagram of product structure

The precise structural positioning system ensures the safety and stability of the connection performance.

Installation method

The Receptacle adopts four-hole panel installation, which is convenient and stable.

Series Infographic

YZ SERIES

YZ-20 Series Information Overview P119

Product application type:	**Power: 2/3/4 pin**	
	Signal: 5/7/9/12/14 pin	
	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）	
Cable O.D:	Multi-pin type: Φ10.0~12.2mm，Φ10.0~12.0mm，Φ7.0~8.5mm，Φ5.0~6.5mm	
Details page:	Product Parameter Map: **P119**	Dimension Drawing: **P119**

Main feature:

- All-zinc alloy shell, with complete electromagnetic and radio frequency interference protection;
- 1/4 Bayonet connection, stable and safe;
- humanized design of the Coupling ring anti-slip;
- The suspended dust cover design can effectively prevent foreign objects from entering in non-working state, with high safety performance and convenient operation;
- The product meets the IP67 protection level when connected.

YZ-20

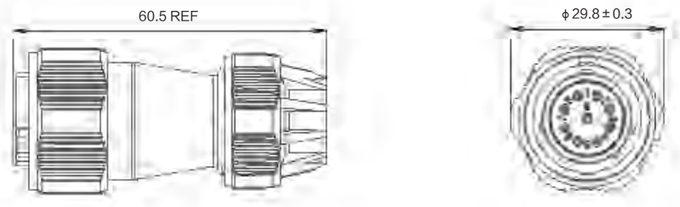
YZ-20 Datasheet

M20 Power/Signal	Product Series	YZ-20				YZ-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 14.0mm						≤ ϕ 14.0mm			—
	Wire Size	2.5mm²/12AWG			1.5mm²/16AWG	1.5mm²/16AWG	2.5mm²/12AWG 0.5mm²/20AWG	0.5mm²/20AWG			—
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable					Standard is IP65, IP67&IP68 Option Avaliable				
	Assembly Method	Soldering / Screwing				Soldering / Screwing	Soldering				

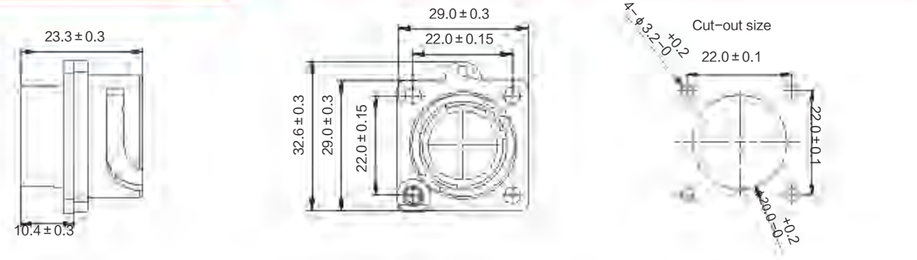
Illustration	Material		Part No					Part No				
Plug	Metal	Male	YZ-20-C02PE-03-001A	YZ-20-C03PE-03-001A	YZ-20-C04PE-03-001A	YZ-20-C05PE-03-001A	YZ-20-C07PE-03-001A	YZ-20-C08PE-03-001A	YZ-20-C09PE-03-001A	YZ-20-C12PE-03-001A	YZ-20-C14PE-03-001A	—
		Female	YZ-20-J02PE-03-001A	YZ-20-J03PE-03-001A	YZ-20-J04PE-03-001A	YZ-20-J05PE-03-001A	YZ-20-J07PE-03-001A	YZ-20-J08PE-03-001A	YZ-20-J09PE-03-001A	YZ-20-J12PE-03-001A	YZ-20-J14PE-03-001A	—
Four-hole flange receptacle		Male	YZ-20-C02SX-03-401A	YZ-20-C03SX-03-401A	YZ-20-C04SX-03-401A	YZ-20-C05SX-03-401A	YZ-20-C07SX-03-401A	YZ-20-C08SX-03-401A	YZ-20-C09SX-03-401A	YZ-20-C12SX-03-401A	YZ-20-C14SX-03-401A	—
		Female	YZ-20-J02SX-03-401A	YZ-20-J03SX-03-401A	YZ-20-J04SX-03-401A	YZ-20-J05SX-03-401A	YZ-20-J07SX-03-401A	YZ-20-J08SX-03-401A	YZ-20-J09SX-03-401A	YZ-20-J12SX-03-401A	YZ-20-J14SX-03-401A	—

YZ-20 Dimension Drawing (unit: mm)

Plug



Four-hole flange receptacle



YW SERIES

BD threaded circular Waterproof connector

YW waterproof connector application type

Cnlinko YW(M16、M20) series waterproof connectors use zinc alloy shell, which can effectively carry out safety and signal shielding protection. It adopts screw locking, which is more firm and reliable. Widely used in industrial LED screen design, audio and video transmission and other industrial equipment use.

- **Series product information:**

Series code:	YW– 16、YW– 20
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	Multi–PIN type (2, 3, 4, 5, 7, 9, 12, 14 pin) The operating voltage of the power connection can reach 400V, the rated current is 20A (2~4 pin), 10A (5, 7 pin), 5A (9, 12, 14 pin)
Material type:	Plastic+Metal type

- **Introduction:**

Product types include power 2, 3, 4, 5, 7, 9, 12, 14 pin. The metal model uses a zinc alloy shell, which has high strength; the plastic model uses an engineering plastic shell, which is light in weight.Adopt thread locking design, easy to operate, safe and stable.

- **Main body material, process and surface treatment:**

Shell:	Material: Engineering Plastic/Metal |	Surface treatment: Chrome plating
	Production Process: Injection Molding & 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	
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 YW series area:**

Scan the QR code below to check the YW 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 YW series

Applications

YW-20 series products are used in a communication equipment

Features Overview

Reliable waterproof performance

—

YW series is connected by threaded locking device, which is safe and stable; the protection level reaches IP67 in the connected state, which provides good protection performance for the equipment.

Electromagnetic and Radio Frequency Interference Protection

—

All-zinc alloy shell, with complete electromagnetic and radio frequency interference protection, can meet the matching needs of various equipment.

Product structure diagram

—

The precise structural positioning system ensures the safety and stability of the connection performance.

Installation method

—

The socket adopts four-hole flange and straight single-hole installation, which is convenient and stable; it is suitable for connection before or after the board.

Series Infographic

YW-16 Series Information Overview		P125
Product application type:	Power: 3 pin Signal: 9 pin The operating voltage of the power connection can reach 400V, the rated current is 10A (3 pin), 5A (9 pin)	
Cable O.D:	Multi-pin type: Φ10.3mm，Φ7.3mm	
Details page:	Product Parameter Map: **P125**	Dimension Drawing: **P126**

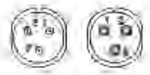
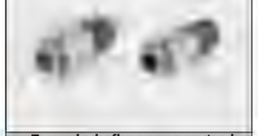
YW-20 Series Information Overview		P127
Product application type:	Power: 2/3/4 pin Signal: 5/7/9/12/14 pin The current is connected with the operating voltage: 500V（2~5、7pins），250V（8-pins hybrid、9、12、14pins） The rated current: 20A(2~4pins），10A（5、7pins），20A+5A（8-pins hybrid），5A（9、12、14pins）	
Cable O.D:	Multi-pin type: Φ12.0mm、Φ8.5mm、Φ6.5mm	
Details page:	Product Parameter Map: **P127**	Dimension Drawing: **P127**

Main feature:

- Quick and easy nut-type design locking system;
- Outer ring thread locking device, stable and safe;
- All-zinc alloy shell, with complete electromagnetic and radio frequency interference protection;
- Suspended dust cover design can effectively prevent foreign objects from entering in non-working state ;
- The product meets the IP67 protection level in the connected state.

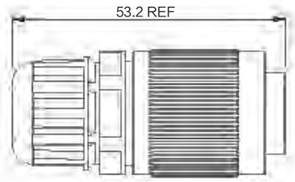
YW-16 Datasheet

YW-16

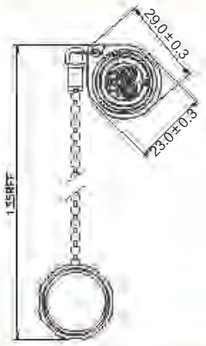
M16 Power/Signal	Product Series	YW-16		
	Pin Number	3PIN	9PIN	
	Application Type Section	 Male Female	Male Female	
	Current Rating	10A	5A	
	Voltage Rating	AC 400V	AC 250V	
	Cable O.D Range	≤ ϕ 10.3mm		
	Wire Size	1.0~1.5mm²/18~16AWG	0.34~0.75mm²/22~20AWG	
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable		
	Assembly Method	Soldering / Screwing	Soldering	
Illustration	Material	Part No		
Plug 	Metal	Male	YW-16-C03PE-03-001	YW-16-C09PE-03-001
		Female	YW-16-J03PE-03-001	YW-16-J09PE-03-001
Four-hole flange receptacle		Male	YW-16-C03SX-03-401	YW-16-C09SX-03-401
		Female	YW-16-J03SX-03-401	YW-16-J09SX-03-401
Single hole straight receptacle		Male	YW-16-C03SX-03-101	YW-16-C09SX-03-101
		Female	YW-16-J03SX-03-101	YW-16-J09SX-03-101

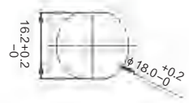
YW-16 Dimension Drawing (unit: mm)

Plug



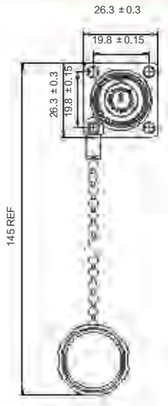
Single hole straight receptacle

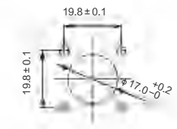




Cut-out size

Four-hole flange receptacle





Cut-out size

YW-20

YW-20 Datasheet

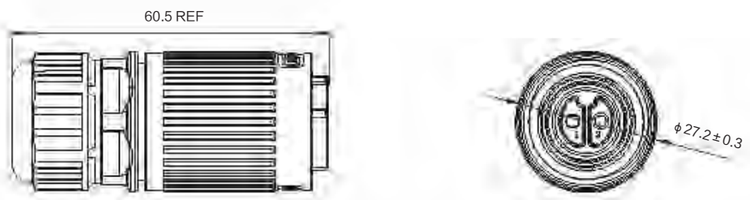
M20 Power/Signal	Product Series	YW-20				YW-20					
	Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN	—
	Application Type Section	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	—
	Current Rating	20A			10A	10A	20A+5A	5A			—
	Voltage Rating	AC 500V			AC 500V	AC 500V	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	2.5mm²/12AWG 0.5mm²/20AWG	0.5mm²/20AWG			—
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable						Standard is IP65, IP67&IP68 Option Avaliable			
	Assembly Method	Soldering				Soldering					

Illustration	Material		Part No				Part No					
Plug	Metal	Male	YW-20-C02PE-03-001A	YW-20-C03PE-03-001A	YW-20-C04PE-03-001A	YW-20-C05PE-03-001A	YW-20-C07PE-03-001A	YW-20-C08PE-03-001A	YW-20-C09PE-03-001A	YW-20-C12PE-03-001A	YW-20-C14PE-03-001A	—
		Female	YW-20-J02PE-03-001A	YW-20-J03PE-03-001A	YW-20-J04PE-03-001A	YW-20-J05PE-03-001A	YW-20-J07PE-03-001A	YW-20-J08PE-03-001A	YW-20-J09PE-03-001A	YW-20-J12PE-03-001A	YW-20-J14PE-03-001A	—
四孔法兰插座Flange receptacle		Male	YW-20-C02SX-03-401A	YW-20-C03SX-03-401A	YW-20-C04SX-03-401A	YW-20-C05SX-03-401A	YW-20-C07SX-03-401A	YW-20-C08SX-03-401A	YW-20-C09SX-03-401A	YW-20-C12SX-03-401A	YW-20-C14SX-03-401A	—
		Female	YW-20-J02SX-03-401A	YW-20-J03SX-03-401A	YW-20-J04SX-03-401A	YW-20-J05SX-03-401A	YW-20-J07SX-03-401A	YW-20-J08SX-03-401A	YW-20-J09SX-03-401A	YW-20-J12SX-03-401A	YW-20-J14SX-03-401A	—

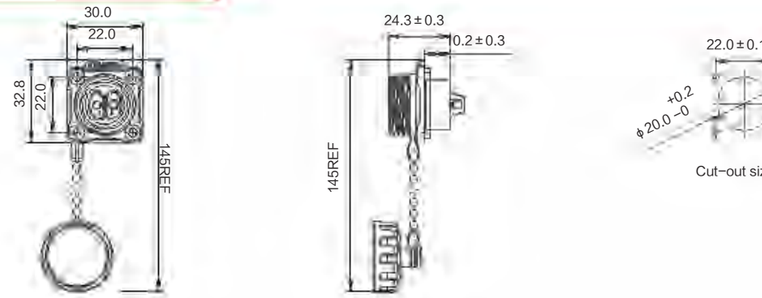
YW SERIES

YW-20 Dimension Drawing (unit: mm)

Plug



Four-hole flange receptacle



YU USB SERIES

YU-USB data Waterproof connector

YU-USB waterproof connector application type

CNLINKO multi functional data waterproof connectors YU-USB with plug and sockets, dedicated to data transmission, because of plug and play, fast transmission rate, strong scalability, is widely used in computers, digital cameras, scanners and Other data transmission equipment, this series of products are diverse, which can realize male and female conversion and docking, independent female socket, male connector with cable, etc.

- **Series product information:**

Series code:	YU- USB
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	Data: USB Transmission level: USB2.0, USB3.0 Data connection withstand Voltage: 100V/Min Contact Resistance: 30mΩ/Max Optional data transmission level
Material type:	Plastic type

- **Introduction:**

Product types include data type (USB2.0, USB3.0). Using engineering plastic shell, light weight. YU series products are diverse and can be used flexibly; sockets and rubber-coated plugs adopt a stable jacket snap-type locking method, which is easy to operate, safe and stable.

- **Main body material, process and surface treatment:**

Shell:	Material: Material: Engineering plastic	Production process: Injection molding

- **Module material, process and surface treatment:**

Contact:	Material: Male/Female Pin (Copper Alloy)	Production Process: Machining & Stamping
	Surface Treatment: Gold plated over nickel	
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 YU-USB series area:**

Scan the QR code below to check the YU-USB 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 YU-USB series

Applications

YU - USB series products are used in an automation equipment control box

Features Overview

Reliable waterproof performance

The protection level of YU-USB series can reach IP67 when mated, which can provide good electrical protection performance for the equipment.

A variety of matching methods

The products are diversified, and the products of the same transmission grade can be used flexibly to adapt to more different application environments.

Bayonet locking design

The sockets and rubber-coated plugs are locked by a stable jacket buckle, which is safe and stable.

Multiple connection methods

It supports panel installation, and can also be connected by wire-to-wire, with various connection methods.

Series Infographic

YU-USB Series Information Overview P133

Product application type:	**Data: USB**	
	Transmission level: USB2.0, USB3.0	
	Data connection withstand voltage 100V/Min, contact resistance 30mΩ/Max, optional data transmission level	
Cable O.D:	Data: Φ4.5~Φ5.5mm	
Details page:	Product Parameter Map: **P133**	Dimension Drawing: **P133**

Main feature:

- Independent socket design, without tool assistance, easy installation and easy operation;
- It can realize double-head male and female transfer, the buckle is locked, and it is safe and firm;
- Unique docking design, stable extension of infinite cable length;
- The robust connection system provides solutions for data connection transmission in different environments;
- The product meets the IP67 protection level when mated.

YU-USB

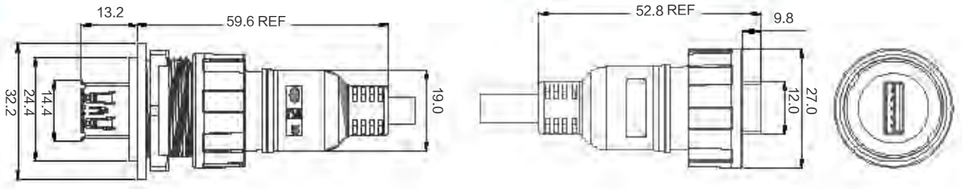
YU-USB Datasheet

Data	Product Series	YU-USB2.0	YU-USB3.0
	Current Rating	2A(Max)	—
	Voltage Rating	300V / DC	—
	Cable O.D Range	—	—
	Wire Size	28~24AWG	28~24AWG
	Protection Level	Standard is IP65, IP67&IP68 Option Avaliable	Standard is IP65, IP67&IP68 Option Avaliable
	Assembly Method	Bayonet locking	Bayonet locking

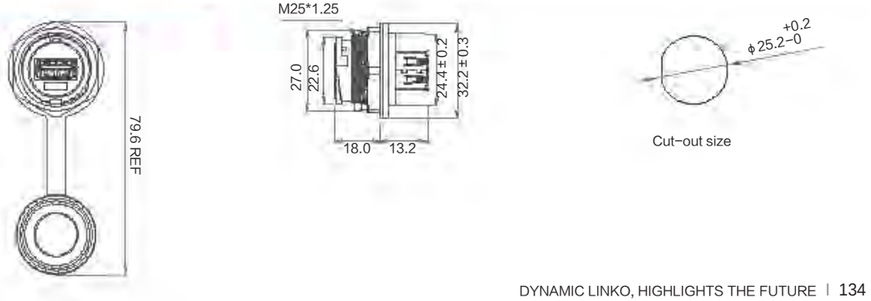
	USB2.0（Line length:1m）			USB3.0			
Product Image							—
Part No	YU-USB2-MP-MP-1M-001	YU-USB2-MP-MP-1M-002	YU-USB2-FS-MP-1M-004	YU-USB3-MP-MP-1M-001	YU-USB3-MP-MP-1M-002	YU-USB3-FS-MP-1M-003	—
Product Image						—	—
Part No	YU-USB2-FS-MP-1M-005	YU-USB2-FS-MP-1M-001	YU-USB2-JSX-01-001	YU-USB3-FS-FS-1M-001	YU-USB3-JSX-01-001	—	—
Product Image						—	—
Part No	YU-USB2-JSX-04-001	YU-USB2-JSX-01-003	YU-USB2-FS-MP-1M-006	YU-USB3-JSX-01-004	YU-USB3-FS-MP-1M-004	—	—
Product Image			—	—	—	—	—
Part No	YU-USB2-JSX-02-001	YU-USB2-JSX-17-001	—	—	—	—	—

YU-USB Dimension Drawing (unit: mm)

Plug



Single hole straight receptacle



YU · USB

YT RJ45 SERIES

Dedicated signal connector

YT-RJ45 waterproof connector application type

YT-RJ45 dedicated for signals of CNLINKO provides solutions for signal transmission in harsh environments. These connectors are especially suitable for applications for Ethernet in audio, commercial, entertainment, on-site stage equipment, DMX lighting, industrial and outdoor network connection environments . The YT-RJ45 series provides cable jackets, assembled Socket Plug, straight plug, cable couplers and protection styles. The IP44/IP65 protection level is the strongest protection for the installation box.

Series product information:

Series code:	Signal type: RJ45
Material type:	Plastic type, metal type, plastic and metal type

Introduction:

YT series are industrial-specific signal connectors. The metal model uses a zinc alloy shell, which has high strength; the plastic model uses an engineering plastic shell, which is light in weight. The product has excellent and stable electrical performance, and is suitable for the connection of equipment installed in front of and behind the board, and can also be used for system connection outside the equipment. The operation is simple, safe and stable.

Main body material, process and surface treatment:

Shell:	Material: Engineering Plastic/Metal	treatment: chrome plating
	Production Process: Injection Molding & Die Casting & Machining Surface	

Module material, process and surface treatment:

Contact:	Material: Male/Female Pin (Copper Alloy)	Treatment: Gold plated over nickel
	Production Process: Machining & Stamping Surface	
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 YT - RJ45 series area:

Scan the QR code below to check the YT-RJ45 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 YT - RJ45 series

Applications

YT-RJ45 series products are used in a certain equipment information control box

Features Overview

Excellent waterproof/dustproof performance

The protection level of YT series can reach IP65 when connected, which can provide good electrical protection performance for the equipment.

Super anti-shielding ability

Precise structure, high-speed transmission, without any delay, faster, more stable and more secure transmission.

Multiple style options

Various materials and styles are available to meet the needs of different application scenarios.

Panel Mount

External connection and installation, stable and convenient, safe and reliable.

Series Infographic

YT-RJ45 Series Information Overview P139

Product application type:	**Signal: RJ45**	
	The rated voltage of the power connection is 42V, the rated current is 1.2A, and the shield is optional.	
Cable O.D:	Signal type：RJ45：Φ5.5~Φ7.0mm	
Details page:	Product Parameter Map: **P139**	Dimension Drawing: **P141**

Main feature:

- According to EIA568B/ISO/IEC11801 standard, it complies with D-pole/CAT3e/CAT5e, and the data transmission rate can reach 10M/s, 100M/s, 1000M/s;
- Multi-style connection design, 1/4 quick bayonet connection (YT01), quick plug (YT10) and push-pull;
- The cable jacket has a solid die-cast outer shell and a unique double-clamped ferrule;
- Shielding system---high frequency noise immunity and electromagnetic interference protection;
- The product conforms to the IP44/IP65 protection level when connected.

YT-RJ45 Datasheet

YT-RJ45

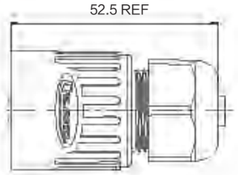
RJ45 Signal	Product Series	YT-RJ45	
	Number Of Cores	RJ45	—
	Application Type Section		—
	Current Rating	—	—
	Voltage Rating	—	—
	Cable O.D Range	ϕ5.5 ~ ϕ7.0mm	—
	Wire Size	26-24AWG	—
	Protection Level	IP44/IP65（In connected state）	—
	Assembly Method	1/4 quick bayonet connection/plug-in connection/push-pull connection	—

	Circular Metal				Circular Engineering Plastic		Square Engineering Plastic		Square Metal
plug	YT-RJ45-CPE-10-001	YT-RJ45-CPE-10-002	YT-RJ45-CPE-11-001		YT-RJ45-CPE-01-001	YT-RJ45-CPE-29-001	YT-RJ45-CPE-13-001	YT-RJ45-CPE-05-001	YT-RJ45-CPE-03-001
receptacle	YT-RJ45-JSX-16-001	YT-RJ45-JSX-17-001	YT-RJ45-JSX-22-002	YT-RJ45-JSX-21-002	YT-RJ45-JSX-01-001	YT-RJ45-JSX-29-001	YT-RJ45-JSX-05-002	YT-RJ45-JSX-07-001	YT-RJ45-JSX-05-003
	YT-RJ45-JSX-24-002	YT-RJ45-JSX-25-001	YT-RJ45-JSX-32-001	YT-RJ45-JSX-26-001(IP44)	YT-RJ45-JSX-04-002	YT-RJ45-JSX-29-004	YT-RJ45-JSX-02-001	YT-RJ45-JSX-08-001	YT-RJ45-JSX-10-001
	YT-RJ45-JSX-18-001(IP44)	YT-RJ45-JSX-19-001(IP44)	YT-RJ45-JSX-21-001(IP44)	YT-RJ45-JSX-22-001(IP44)	—	—	—	—	—

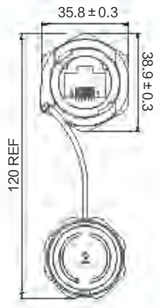
YT · RJ45

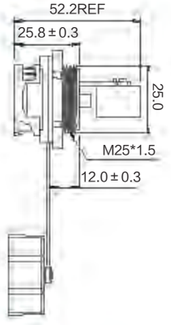
YT-RJ45 Dimension Drawing (unit: mm)

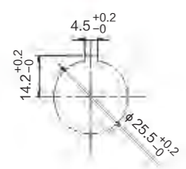
Plastic Circular Connector YT-RJ45-CPE-01-001



Plastic Circular Receptacle YT-RJ45-JSX-01-001

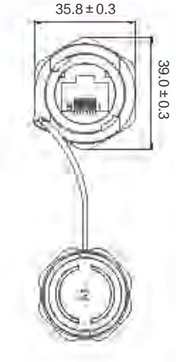


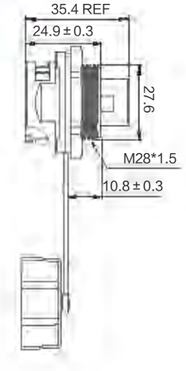


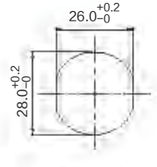


Cut-out size

Plastic Circular Receptacle YT-RJ45-JSX-04-002

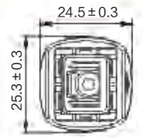


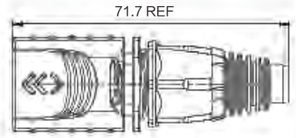




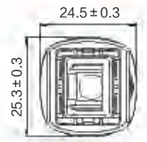
Cut-out size

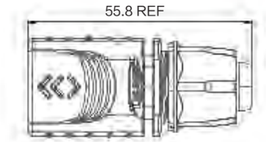
Square Connector YT-RJ45-CPE-05-001



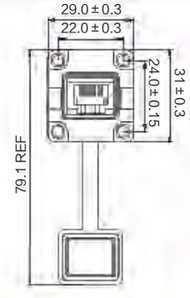


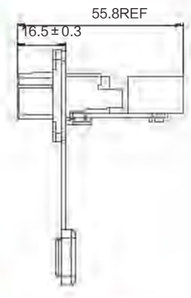
Square Connector YT-RJ45-CPE-13-001

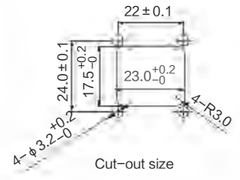




Square Receptacle YT-RJ45-JSX-02-001

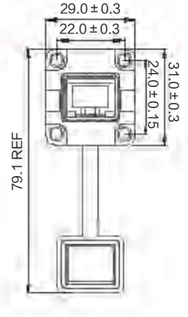


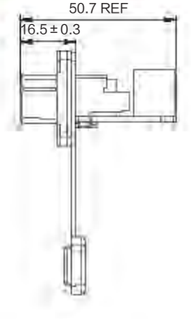


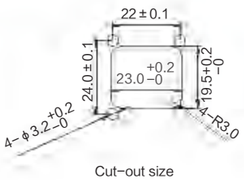


Cut-out size

Square Receptacle YT-RJ45-JSX-08-001



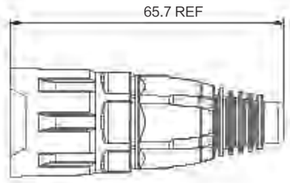




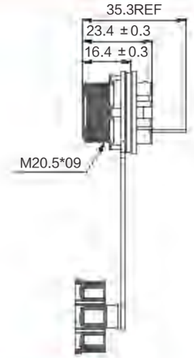
Cut-out size

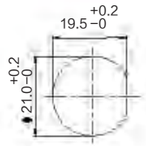
YT-RJ45 Dimension Drawing (unit: mm)

Plastic Circular Connector YT-RJ45-CPE-29-001



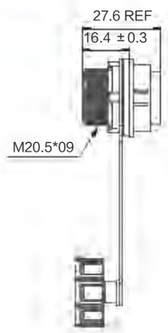
Plastic Circular Receptacle YT-RJ45-JSX-29-001

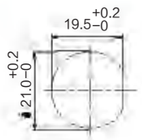




Cut-out size

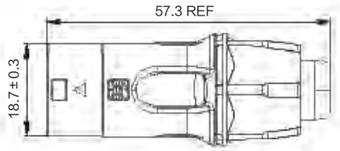
Plastic Circular Receptacle YT-RJ45-JSX-29-004



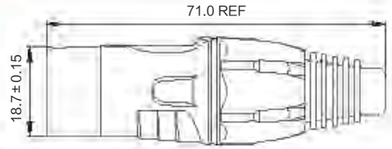


Cut-out size

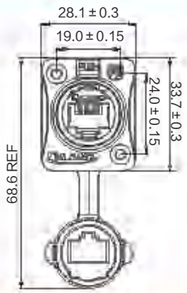
Metal Circularplug Connector YT-RJ45-CPE-11-001/2

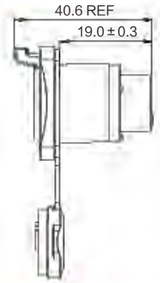


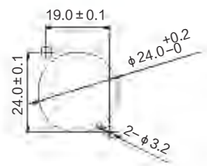
Metal Circularplug Connector YT-RJ45-CPE-10-001/2



Metal Square Receptacle YT-RJ45-JSX-16-001

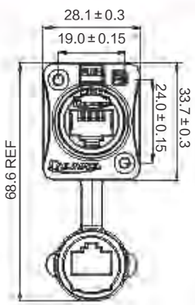


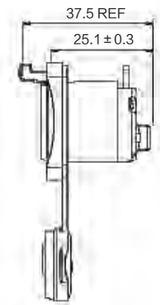


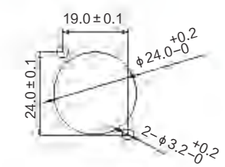


Cut-out size

Metal Square Receptacle YT-RJ45-JSX-17-001







Cut-out size

YF waterproof connector application type

CNLINKO power connectors YF-24 series with national standard , and has designed a unique plug-in locking method, which is easy to operate, safe and stable. Using color distinguishes the input and output of the power supply, thereby effectively distinguishing the input and output terminals, and with the power coupler, it can be used in external mobile connections at the same time, increasing the flexibility of equipment use; block internal construction design with an integrated plastic shell, providing safe and stable connection and transmission performance to ensure that the equipment is in useStability of electrical properties during the process.

Series product information:

Series code:	YF- 20
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	Multi-PIN type: 3 pins The working voltage of the power supply connection can reach 500V, the current rating is 20A, and the input/output connector can be selected.
Material type:	Plastic type

Introduction:

The product type includes power supply 3 pins. Plastic shell, light weight, good toughness, strong corrosion resist ance, using a special 3-pin locking design, easy to operate, safe and stable.

Main body material, process and surface treatment:

Shell:	Material: engineering plastic	Production process: injection molding

Module material, process and surface treatment:

Contact:	Material: Male/Female Pin (Copper Alloy)	Production Process: Machining & Stamping
	Surface Treatment: Silver Plated	
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 YF series area:

Scan the QR code below to check the YF 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 YF series

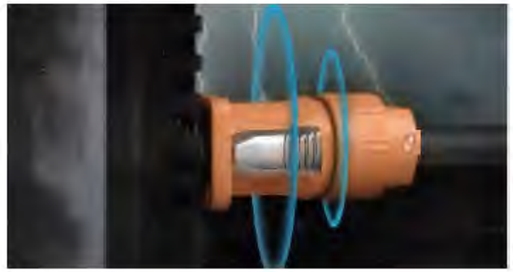
Applications

YF-24 series products are used in an automation equipment control box

Features Overview

Slotting locking system

The unique snap + plug connection locking system enables the connection more stable.



Excellent waterproof performance

The protection level IP65 and IP44 in the connected state, providing good electrical protection performance for the equipment.

panel mount

Easy to install and adapt to a variety of different usage scenarios.

Wiring

CNLINKO YF-24 waterproof plug adopts locking screw connection method.

YF SERIES

Series Infographic

YF-24 Series Information Overview		P149
Product application type:	Power: 3PIN	
	The working voltage of the power connection can reach 500V, the current rating is 20A, and the input/output connector can be selected.	
Cable O.D:	Multi-pin type:Φ14.0mm、Φ11.0mm	
Details page:	Product Parameter Map: **P149**	Dimension Drawing: **P150**

Main feature:

- Special 3-pin locking device plug-in, pre-adapted to the safety ground wire;
- Using different colors to control input and output, avoiding the possibility of mismatching errors;
- Quick and easy locking system, safe and secure;
- High current capacity 20A/500V;
- The product complies with IP65 and IP44 when mated;
- TUV, UL certification.

YF SERIES

YF-24 Datasheet

YF-24

M24 Power/Signal	Product Series	YF-24
	Application Type Section	
	Current Rating	20A
	Voltage Rating	AC 500V
	Cable O.D Range	ϕ5~ϕ14mm
	Wire Size	2.5mm²~4.0mm²/14~12AWG
	Protection Level	IP44 / IP65
	Assembly Method	Receptacle Soldering, Plug Screwing

plug(multi-color option)

YF-24-J03PE-01-001(IP44 right) YF-24-J03PE-02-001(IP65 right)	YF-24-C03PE-01-001(IP44 left) YF-24-C03PE-02-001(IP65 left)	YF-24-C03PE-02-002(IP65 left)	YF-24-J03PE-02-002(IP65 right)

receptacle

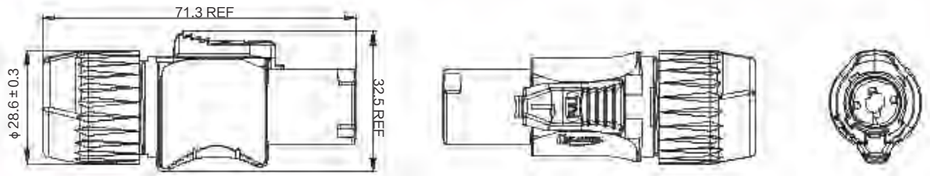
YF-24-C03SX-02-001 (IP65 right)	YF-24-J03SX-02-001(IP65 left)	YF-24-J03SX-02-002(IP65 left)	YF-24-C03SX-02-002(IP65 right)

converter

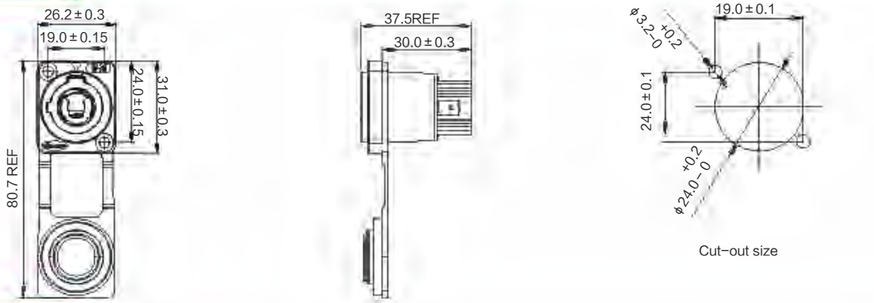
YF-24-J03SX-03-200(IP44)	YF-24-J03SX-01-200(IP44)	YF-24-C03SX-01-200(IP44)	YF-24-J03SX-02-200(IP65)

YF-24 Dimension Drawing (unit: mm)

Plug

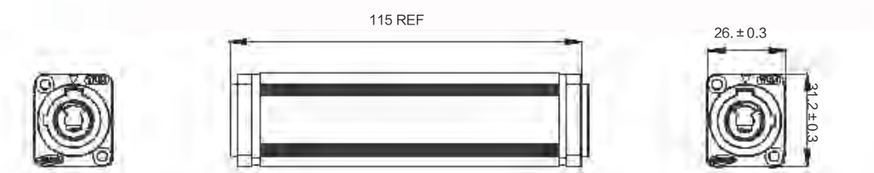


IP65receptacle



IP44receptacle

Converter



Harness and connector customization

Manufacturer of high reliability industrial waterproof connectors

Harness and connector customization

CNLINKO selects international high-quality wires combined with CNLINKO brand connectors, and can customize the corresponding wire harness connectors according to the differenti needs of customers. We can also carry out engineering design and development to provide solutions according to the needs provided by customers. Flexible and convenient customized solutions make you more worry-free.

The Application case of Wire Harness (Power) P153

Cnlinko's Products series	LP、YM、BD、DH、EV、DZ、YA、YZ、YW、YF and scheme development products
Module type	2/3/4 Pins
Optional cut hole size	M12、M16、M20、M24、M28 and development customization
Optional material types	Plastic type, Metal type, Plastic + Metal type
Note	You can choose according to your needs

The Application case of Wire Harness (Data) P154

Cnlinko's Products series	LP、YM、BD、DH、DZ、YU、YT and scheme development products
Module type	USB/HDMI/Type-C
Optional cut hole size	M12、M16、M20、M24、M28 and development customization
Optional material types	Plastic type, Metal type, Plastic + Metal type
Note	You can choose according to your needs

The Application case of Wire Harness (Power+Signal) P155

Cnlinko's Products series	LP、YM、BD、DH、EV、DZ、YA、YZ、YW and scheme development products
Module type	5/6/7/8/9/10/12/14/19/24 Pins、RJ45、Optical fiber、Hybrid(2+7/2+6/3+2/3+16/4+4 Pins)
Optional cut hole size	M12、M16、M20、M24、M28 and development customization
Optional material types	Plastic type, Metal type, Plastic + Metal type
Note	You can choose according to your needs

- **Check the harness and connector customization area:**

Scan the QR code below to check the harness and connector customization area of CNLINKO official website.

CNLINKO official website QR code for harness and connector customization area

The Application case of Wire Harness (Power)

LP20 2/3/4 Pins

Application: Solar photovoltaic, new energy storage

WVDC: 500V/AC, RC: 20A	Applicable wire diameter: Φ9.0～13.0mm
Waterproof level: IP67	Flame retardant level:VW-1/UL94V-0
Connection method:Soldering/Screwing (optional)	
Wires conform to 3C, CQC, UL, VDE certification	

Product advantages:It adopts spring snap-type locking connection, which has the characteristics of cold resistance, high temperature resistance and waterproof function.

BD24 2/3/4 Pins

Application: Security equipment, communication equipment, industrial robots

WVDC: 500V/AC, RC: 25A	Applicable wire diameter: Φ10.0～14.0mm
Waterproof level: IP67	Flame retardant level: VW-1/UL94V-0
Structure: metal/plastic (optional)	Connection method: Welding/Screwing (optional)
Wires conform to 3C, CQC, UL, VDE certification	

Product advantages:It adopts lock-type connection, which has the characteristics of cold resistance, high temperature resistance, corrosion resistance and waterproof function.

YM24 2/3/4 Pins

Application: Ships, intelligent storage, fire fighting equipment, medical equipment, Intelligent storage

WVDC: 500V/AC, RC: 25A	Applicable wire diameter: Φ10.0～14.0mm
Waterproof level: IP68	Flame retardant level: VW-1/UL94V-0
Connection method:Soldering	
Wires conform to 3C, CQC, UL, VDE certification	

Product advantages:It adopts snap-type nut rotation and locking connection, which has the characteristics of fire resistance, explosion resistance, deformation resistance, cold resistance, high temperature resistance, corrosion resistance and waterproof function.

YF24 2/3/4 Pins

Application: LED display, stage lighting, audio equipment

WVDC: 500V/AC, RC: 20A	Applicable wire diameter: Φ9.0～14.0mm
Waterproof level: IP44/IP65	Flame retardant level: VW-1/UL94V-0
Connection method:Soldering/Screwing (optional)	
Wires conform to 3C, CQC, UL, VDE certification	

Product advantages:It adopts unique snap button and plug-type connection, which has the characteristics of explosion resistance, deformation resistance, cold or high temperature resistance, corrosion resistance, excellent insulation performance, and dustproof and waterproof functions.

DH20 2/3/4 Pins

Application: Industrial and mining, Mechanical, electromechanical equipment

WVDC: 500V/AC, RC: 20A	Applicable wire diameter: Φ9.0～13.0mm
Waterproof level: IP67	Flame retardant grade: VW-1/UL94V-0
Connection method: Welding/Screwing (optional)	
Wires conform to 3C, CQC, UL, VDE certification	

Product advantages:Adopt military standard three-point screw locking connection, alloy shell material, effectively reduce external high current generation, electromagnetic and signal radio frequency interference, and with waterproof function, etc.

The Application case of Wire Harness (Data)

LP,DH,YM,YU,BD
(USB2.0/3.0,Type-C 3.1)

Application: Communication, testing, industrial control and automation equipment, photographic equipment

Waterproof level: IP67	Flame retardant level: VW-1/UL94V-0
Temperature resistance level: -40～105℃	Contact resistance: 30mΩ/Max
Withstand voltage: 100V/AC	Complies with USB Association EMI requirements
Wires comply with UL2725, UL20276 certification	

The transfer rate meets the USB2.0/USB3.0/Type-C Gen1/Gen2 standard.

LP,DH,YM,YT,BD
(RJ45)

Application: LED display, robotics, communication and electronic equipment

Waterproof level: IP67	Flame retardant level: VW-1/UL94V-0
Temperature resistance level: -40～105℃	
Compliant with T568A and T568B line sequence	
Wires comply with UL2835 certification	

The wire specification meets the transmission standard of Super Category 5, which is Cat5/Cat-5e/Cat6, multi-strand copper wire is twisted, and the signal transmission is more stable.

LP,DH,YM,BD
(LC Optical fiber)

Application: Communication and switch equipment, computer room

Waterproof level: IP67	Flame retardant level: VW-1/UL94V-0
Temperature resistance level: -40～105℃	

The wire has metal armor, the material is SUS304, which is anti-pulling and bending, preventing it from being bitten by animals.

Mainly used in outdoor connection applications, the rugged PU jacket and single mode APC armored construction cable provides 1 Gigabit/s data transmission in high bandwidth applications.

LP,DH,YM,BD
(HDMI)

Application: Videophone, multimedia, audiovisual and monitoring equipment

Waterproof level: IP67	Flame retardant level: VW-1/UL94V-0
Temperature resistance level: -40～105℃	
Support HDMI2.0 (4K*2K 60Hz), HDMI2.1	(8K*4K 120Hz) HD video transmission
Wires meet UL certification	

The HDMI 2.1 wire has metal armor, the material is SUS304, which is anti-pulling and bending, preventing it from being bitten by animals and its length up to 300M.

LP,DH,YM,BD
(Multi-Pin 5~24 Pins)

Application: GPS positioning system, remote monitoring, ECT,and communication equipment

Waterproof level: IP67	
Flame retardant level: VW-1/UL94V-0	
Temperature resistance level: -40～105℃	
Wires comply with UL, 3C certification	

The Application case of Wire Harness (Power+Signal)

LC20

Application: LED DISPLAY

Power interface:Rated current 20A,Operating voltage 500V/AC,Contact resistance＜1mΩ

Signal interface:Rated current 5A,Operating voltage 400V/AC,Contact resistance＜5mΩ

Waterproof level: IP44 | Plug and unplug durability: 1700Cycles

Flame retardant level: VW-1/UL94V-0 | Temperature resistance level: -40～105℃

Wires comply with UL, 3C certification

LP28(7+2)

Application: New energy

Rated current 1.2A, working voltage 42V/AC, contact resistance < 40mΩ

Waterproof level: IP67 | Plug durability:500Cycles

Flame retardant level: VW-1/UL94V-0 | Temperature resistance level: -40～85℃

Wirecomply with UL certification

DH24(4+4)

Application: Mechanical equipment

Rated current 20A+5A, working voltage 400V/AC, contact resistance < 5mΩ

Waterproof level: IP67 | Plug durability:1700Cycles

Flame retardant level: VW-1/UL94V-0 | Temperature resistance level: -40～85℃

Wirecomply with UL certification

LP20(2+6)

Application: Medical equipment, photographic equipment, garden machinery

Rated current 25A (current) + 2A (signal),

Working voltage 300V/AC, contact resistance < 10mΩ

Waterproof level: IP67 | Temperature rise＜30℃

Plug and unplug durability: 1700Cycles | Flame retardant level: VW-1/UL94V-0

Temperature resistance level: -40～80℃ | Wirecomply with UL certification

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PROFESSIONAL CUSTOMIZED SERVICE OF WIRE HARNESS WITHWATERPROOF CONNECTOR

Cnlinko is aware of the market trend and is looking forward to the professional customized business of waterproof industrial connector wire harness. Relying on cnlinko's professional product development team and flexible, large-scale and intelligent production line production capacity, which can respond to the customized order needs of a large number of users in real time, providing users with efficient, satisfactory and professional wire harness customization services, and help more industries and more application scenarios to achieve highly compatible professional connections.