2024

PRODUCT MANUAL
▶

Headquarters in Shenzhen

Address:Building H, Hejing Industrial Zone, High-tech Park, Zhancheng Community, Fuhai Street, Baoan District, Shenzhen
TEL:+86-755-2960-0088
Fax:+86-755-8626-2816
Email:linko@cnlinko.com

—

U.S.A

Address: 6900 Philips Hwy Suite 1,Jacksonville, FL 32216
TEL: 904-467-0331
Fax: 1-786-999-6525
Email: usa-sales@cnlinko.com

—

RUSSIA

Russian: г. Москва, ул. Золоторожский Вал, дом 11, стр.27, Б310 (ТЦ-Рогожская Застава)
TEL: +7(495)374-01-87
Email: marketing_d@cnlinko.com

—

HONG KONG

Address: RM1103,HangSeng Mongkok Building,
677 Nathan Road,Mongkok,Kowloon HK
TEL: 86-189-2341-6715
Email: linko_01@cnlinko.com

www.cnlinko.com   Cnlinko's YouTube

MANUFACTURER OF INDUSTRIAL
WATERPROOF CONNECTOR
WITH HIGH RELIABILITY

CNLINKO

SHENZHEN LINKO ELECTRIC CO., LTD

CONTENT

SHENZHEN LINKO ELECTRIC CO., LTD

www.cnlinko.com

Product Content

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

LP

BD

YM

DH

CNLINKO

Product Content

EV

EV series		P91
Connection mode	Snap button	
Material	Plastic	
Protection level	Connection Status IP67	
Features	Features	
Application types	Multi-PIN（2,3 pin)	
Application	EV20	
Model page	P95	

YA

YA series		P109
Connection mode	Bayonet	
Material	Plastic+metal type	
Protection level	Connection Status IP67	
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	

DZ

DZ series		P97
Connection mode	Bayonet	
Material	Alloy	
Protection level	Connection Status IP67	
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

YZ

YZ series		P115
Connection mode	Bayonet	
Material	Alloy	
Protection level	Connection Status IP67	
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

YW series	P121
Connection mode	Thread
Material	Plastic+metal type
Protection level	Connection Status IP67
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

YU series	P129
Connection mode	Bayonet
Material	Plastic
Protection level	Connection Status IP67
Features	Only suitable for various data transfers
Application types	Data: USB
Application	YU-USB
Model page	P133

YT

YT series	P135
Connection mode	Bayonet
Material	Plastic type, plastic+metal type, metal type
Protection level	IP44/IP65/IP67
Features	Only suitable for various signal transmission
Application types	Signal type: RJ45
Application	YT-RJ45
Model page	P139

YF

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

Wire Harness customization	P151
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., founded in 2004, 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 products 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 50000 enterprise customers in over 170 countries and regions worldwide.

Dynamic 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 50,000 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.

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Certification

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

IATF 16949 | ISO 9001 | UL | CQC | TÜV SÜD | c UL us | RoHS

CE | TÜV CERT DIN EN ISO 9001 Zertifikat: 09 100 5468 | DVE | DMT | GS | Lloyd's Register | DNV

IRAM S	CEBEC	D	DVE	FI	NF	
Argentina	Belgium	Denmark	Germany	Finland	France	England

CSA	ZIK	KEMA KEUR	N	ÖVE	B	PCT
Canada	Croatia	Holland	Norway	Austria	Poland	Russia

S	S	EIS	N	SABS	ESC	EME MSZ
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.

— Red Dot —　　— European Patent —　　— US Patent —

— Tuv certification —　　— UL certification —　　— CE certification —

— RoHs certification —　　— IP67 certification —　　— IP65 certification —
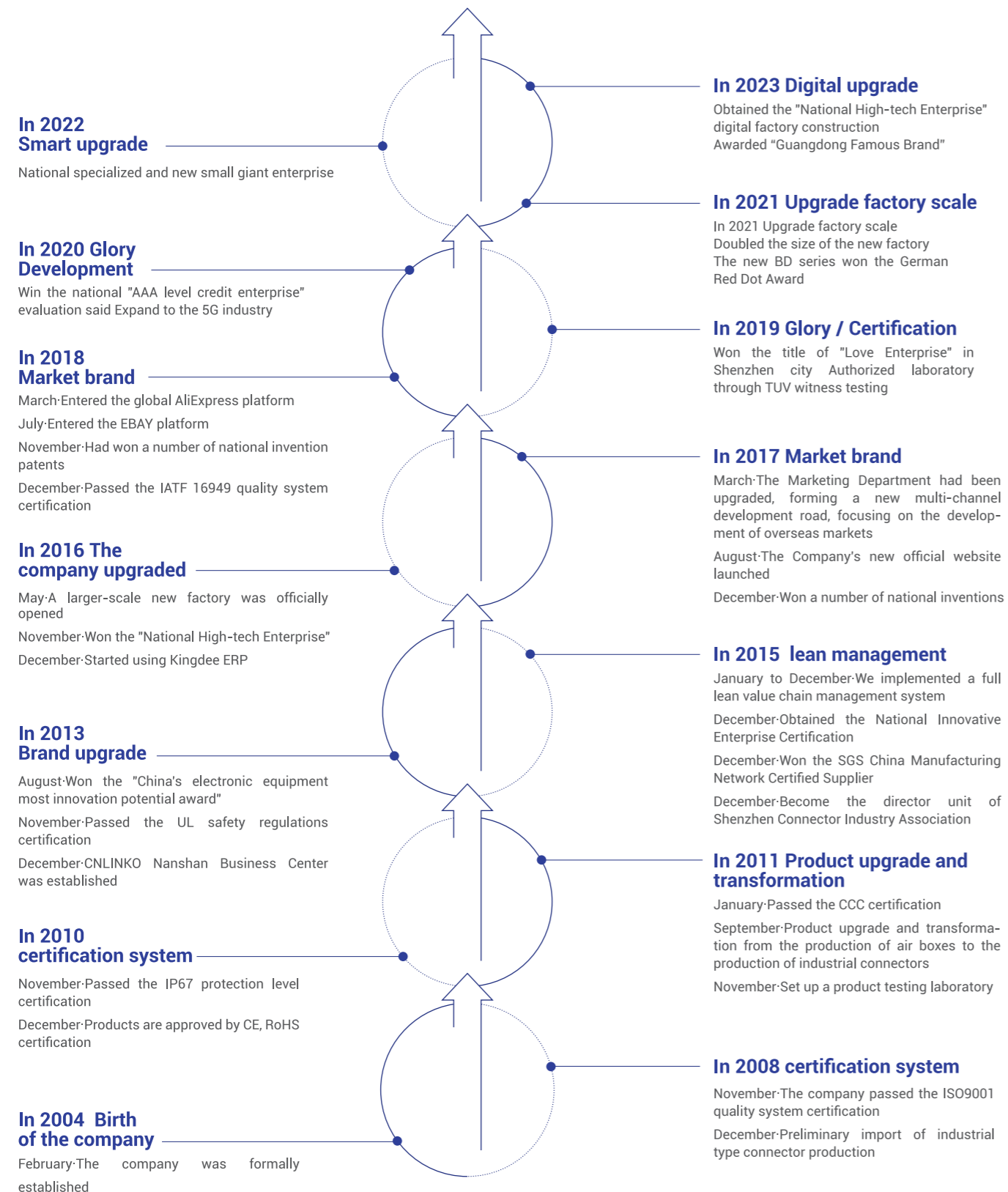
Development History

In 2023 Digital upgrade
Obtained the "National High-tech Enterprise" digital factory construction
Awarded "Guangdong Famous Brand"

In 2022 Smart upgrade
National specialized and new small giant enterprise

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 2020 Glory Development
Win the national "AAA level credit enterprise" evaluation said Expand to the 5G industry

In 2019 Glory / Certification
Won the title of "Love Enterprise" in Shenzhen city Authorized laboratory through TUV witness testing

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 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 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 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 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 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 2010 certification system
November·Passed the IP67 protection level certification
December·Products are approved by CE, RoHS certification

In 2008 certification system
November·The company passed the ISO9001 quality system certification
December·Preliminary import of industrial type connector production

In 2004 Birth of the company
February·The company was formally established

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

Planning scheme   communication scheme   design and development

01   02   03

project completion and continuous cooperation

08   **Customer demand**
CNLINKO can support you at every step in your project   04   sample production and confirmation

07   06   05

mass production   trial production and verification   process development

Production Overview

Coding Principle

Category 1: Waterproof connector

| LP | 20 | C | 03 | PE | 0 | 1 | 001 | A |

Product Series
LP/DH/BD/YP
YW/YZ/LK/YM
EV/DZ

Male and female
C=male
J=female
K=male&female

Connector category
PE=plug
SX=Receptacle
PP=Floating connector

Material attributes
1=Plastic+ metal
2=Plastic
3=Metal

Streaming code
01-99

A-Z indicate the upgrade of products

Product model

Interface category
01=1 pin
02=2 pin
... ...

Mode of connection
0=soldering
1=pressure soldering
2=Screwing
3=Riveting
4=Other

Special code
0=Plug / Floating connector
1=Single hole straight receptacle
2=Two-hole flange receptacle
4=Four-hole flange receptacle

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

| LP | 24 | C | /RJ45 / 015 / | PE | 01 | 0 | 01 | A |

Product Series
LP/DH/BD
YM/DZ

Male and female
C=male
J=female

List ①

Connector category
PE=plug
SX=Receptacle
PP=Floating connector

Material attributes
1=Plastic+ metal
2=Plastic
3=Metal

Streaming code
01-99

Product model

Interface category
USB \ HDMI \ RJ45 \ optical fiber

Mode of connection
0=soldering
1=pressure soldering
2=Screwing
3=Riveting
4=Other

Special code
0=Plug / Floating connector
1=Single hole straight receptacle
2=Two-hole flange receptacle
4=Four-hole flange receptacle

A-Z indicate the upgrade of products

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

| YF | 24 | C | 03 | SX | 01 | 001 | A |

Product Series
YF

Male and female
C=male
J=female

Connector category
PE=plug
SX=Receptacle
PP=Floating connector

A-Z indicate the upgrade of products

Product model

Interface category
01=1 pin
02=2 pin
... ...

Serial number
00-99

Streaming code
01-99

| YT | RJ45 | C | SX | 01 | 001 | A |

Product Series
YT

Male and female
C=male
J=female

Serial number
00-99

Streaming code
001-999

Product model

Connector category
PE=plug
SX=Receptacle
PP=Floating connector

A-Z indicate the upgrade of products

Category 2: wire

| LP | 20 | 03 | MP | FS | 0D5M | 001 | T |

Product Series
LP/BD/YM/DH
DZ/YT//YU/YA
YW
QT(Other)

Interface category
00=Not PIN
01=1 pin
02=2 pin
... ...

Characteristics of Connectors(1)
M:Male
F:Female
E:Empty
MH:Multi-Heads

Connector category
The same as (1) (2)

Serial number
001~999

Indicate the upgrade of products

Product model

Connector category(2)
P:Plug
S:Socket
U:USB
RJ:RJ45
HD:HDMI
TC:TYPE C
LC/SC/FC/ST/MPO

Cable Length
The first digit is 0~9
The second digit is D, meaning decimal point
The third digit is 0~9
The fourth digit is M, meaning meter

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.
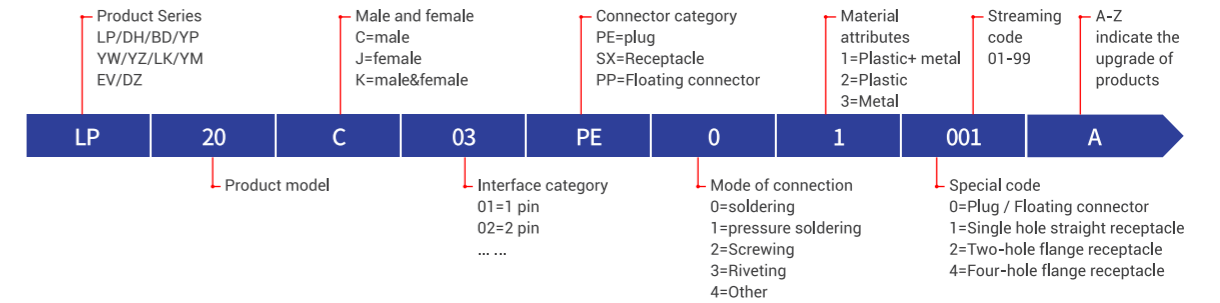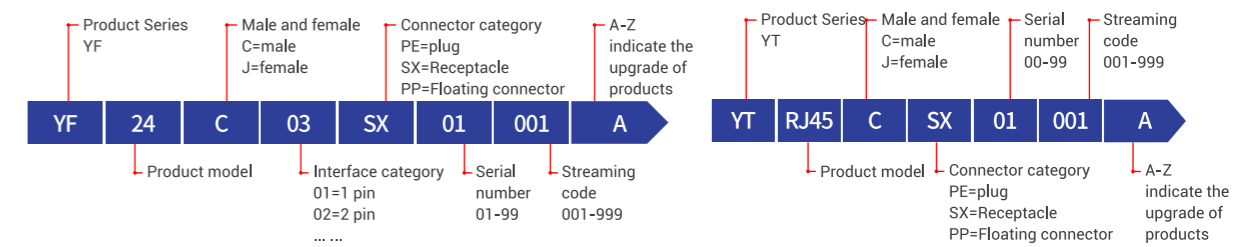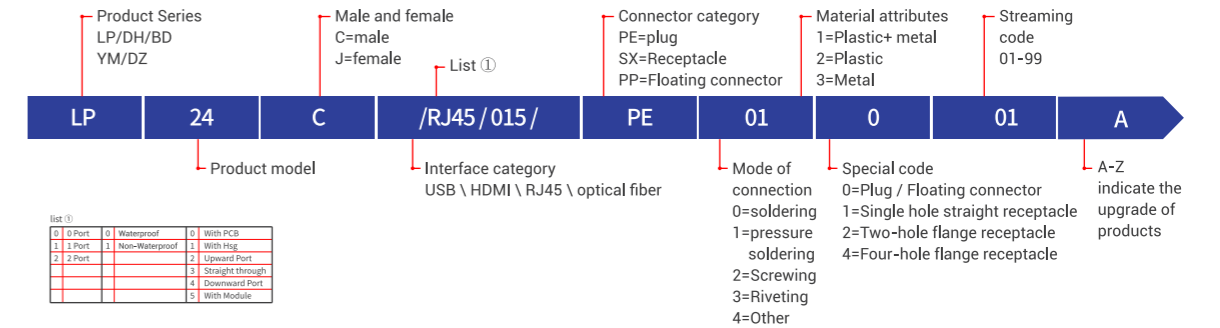
Cost

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.

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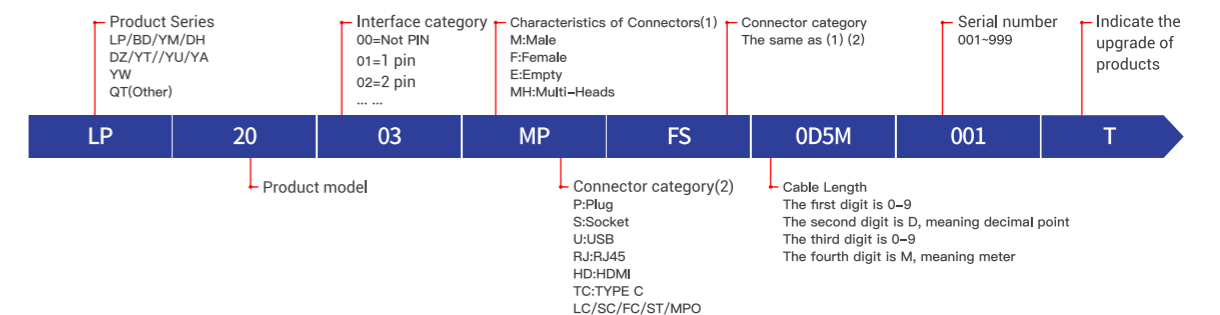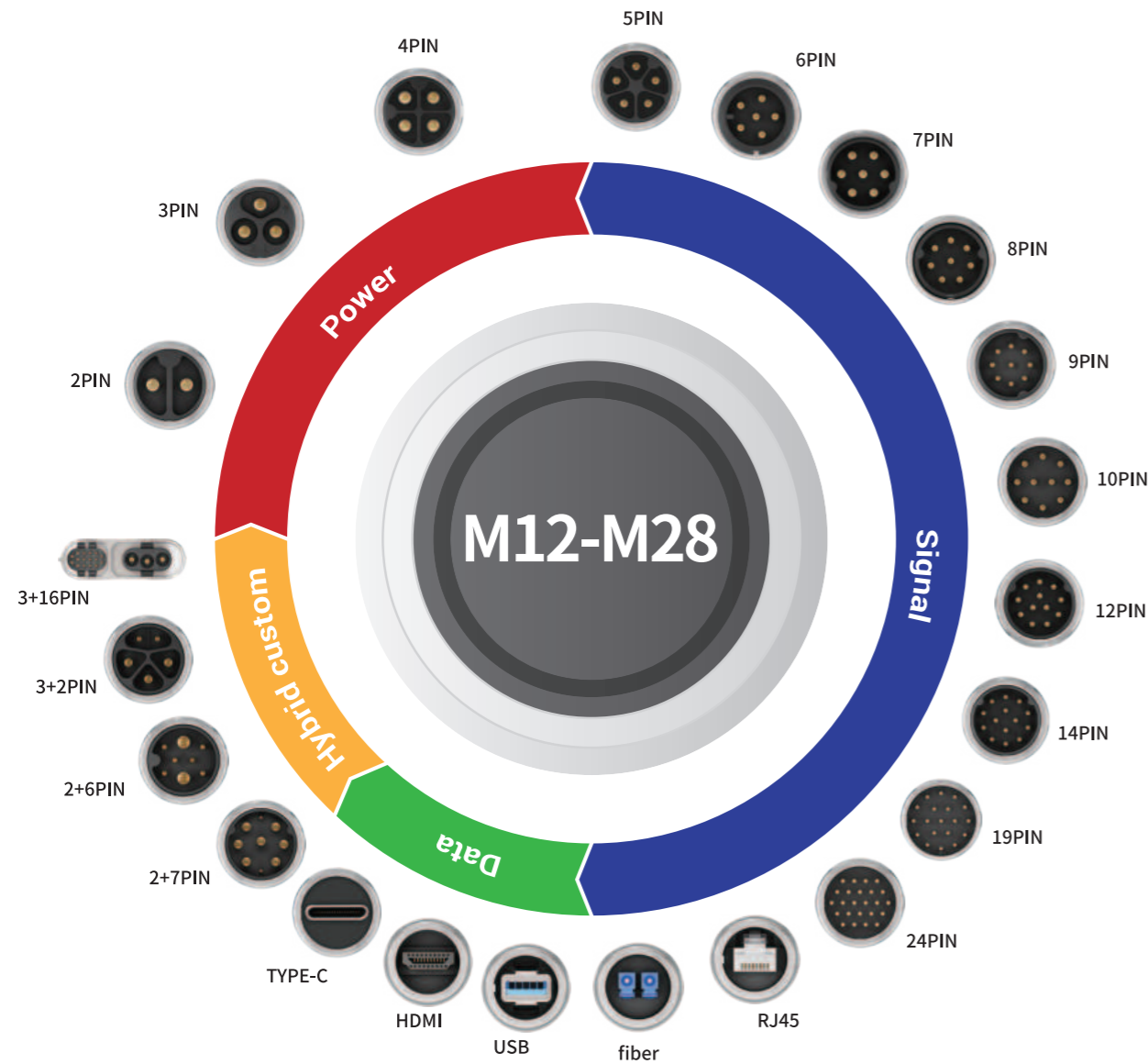# Comprehensive Product

Power

Signal

Data

Hybrid custom

M12-M28

4PIN
5PIN
6PIN
7PIN
8PIN
9PIN
10PIN
12PIN
14PIN
19PIN
24PIN
3PIN
2PIN
3+16PIN
3+2PIN
2+6PIN
2+7PIN
TYPE-C
HDMI
USB
fiber
RJ45

Case Presentation
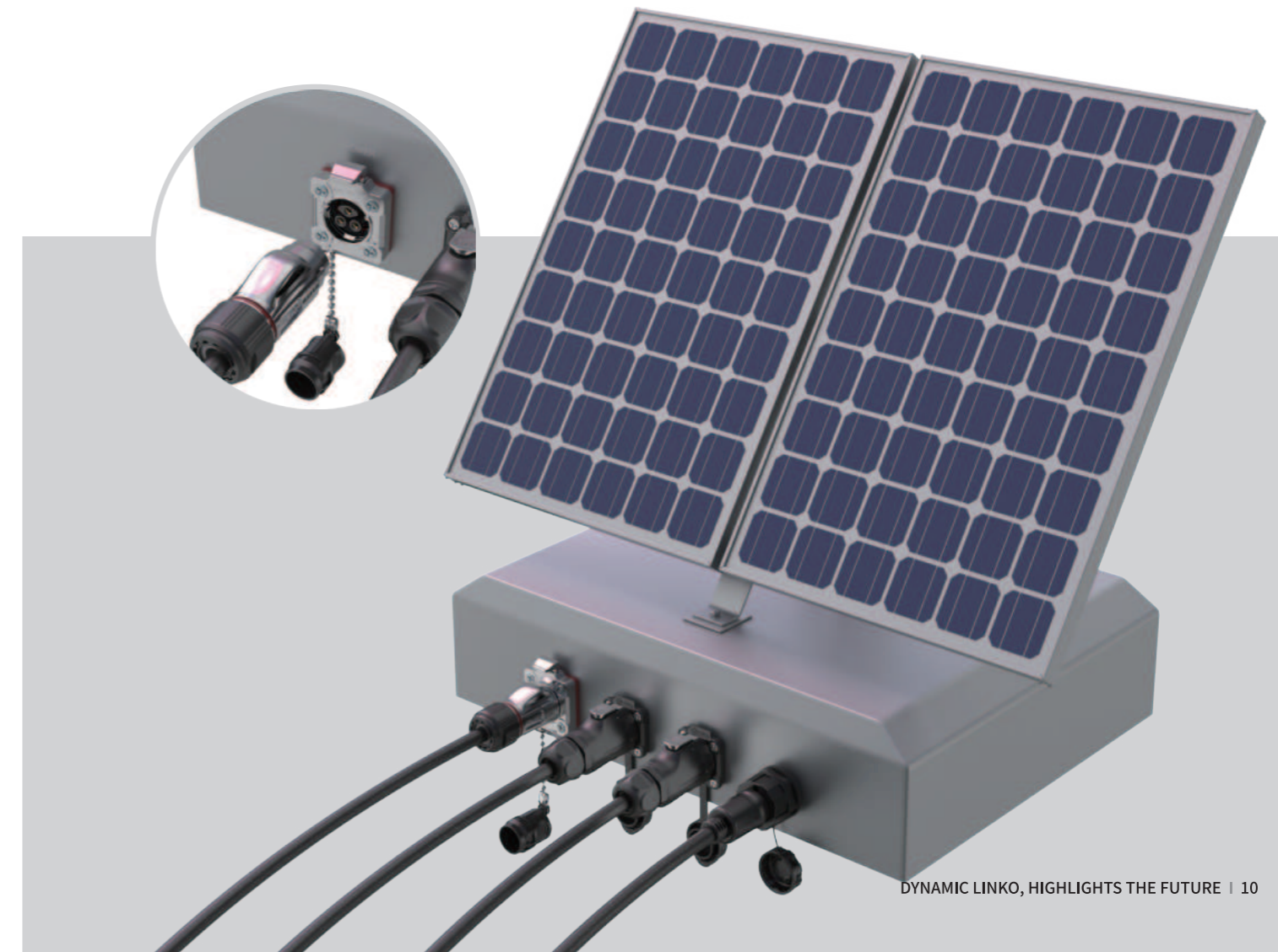
Application cases in the new energy

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 tempera-ture resistance and high transmission performance.

Application equipment:

solar photovoltaic, Energy storage

Application products:

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

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

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

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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

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

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
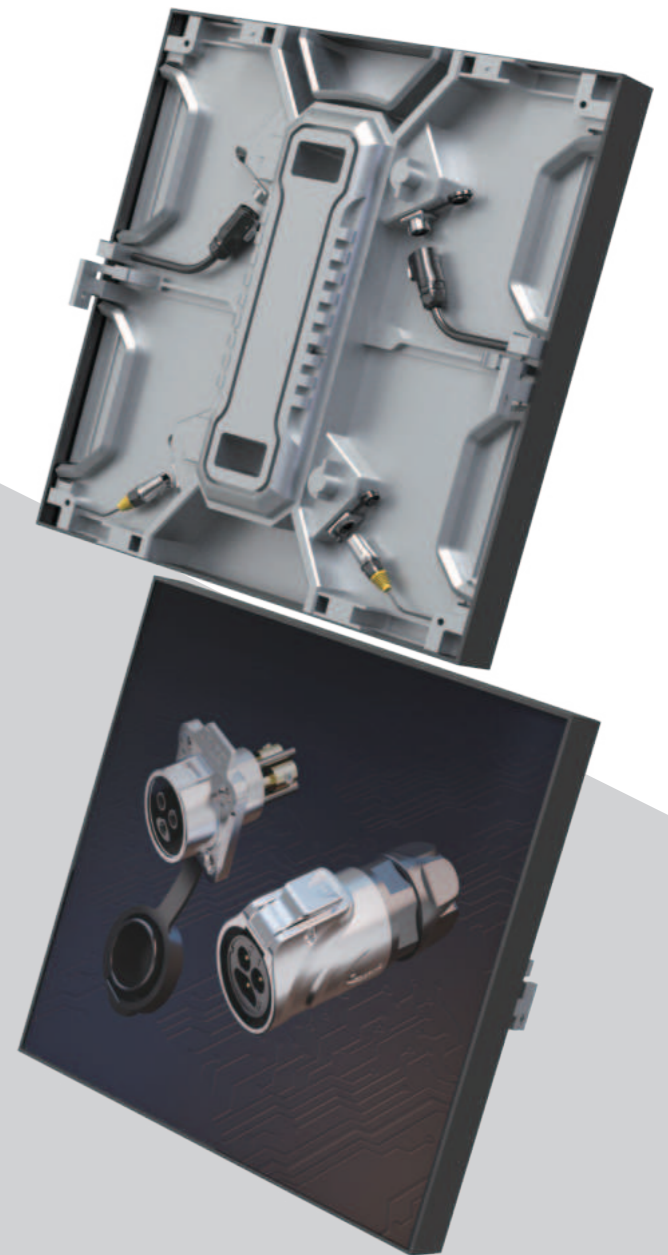
LP
SERIES
LP Shortcut
Waterproof Connector

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,HDMI2.1, 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   Installation Video 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 four 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.
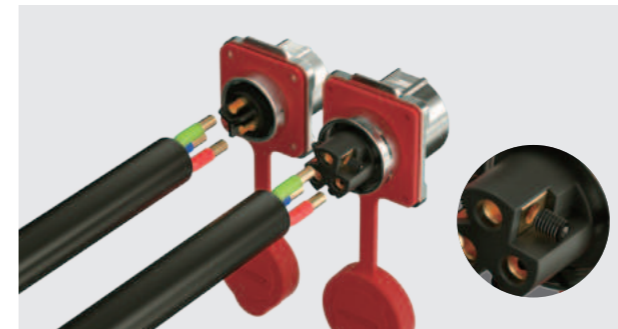
Users can choose a variety of wiring methods
—
The LP series provides product types with three connection methods: locking screw , riveting and soldering.Locking screw is quick and convenient, and soldering is more reliable.

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.

Receptacle assembly

Module assembly

Shell assembly

End assembly

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Series Infographic

LP-12 Series Information Overview   P23

Product application type:	Power: 2/3/4 pins	
	Signal: 5/6/7/8 pins	
	Voltage Rating: 125V (2~6pins) , 100V (7~8pins) Current Rating: 5A (2~6pins) , 3A (7~8pins)	
Cable O.D	Multi-pin type: Φ3.5~4.5mm、Φ4.5~5.5mm、Φ5.5~6.5mm	
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	
	Voltage Rating: 400V (2~4pins) , 250V (5、7~9pins) Current Rating:10A (2~4pins) , 5A (5、7~9pins)	
Cable O.D	Multi-pin type: Φ3.0~5.0mm、Φ5.0~7.0mm、Φ7.0~9.0mm	
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	
	Voltage Rating: 500V (2~5、7pins) , 300V (5pins) , 250V (8-pins hybrid、9、12、14pins) Current Rating: 20A (2~4pins) , 10A (5、7pins) , 20A+5A (8-pins hybrid) , 10A+5A (5-pins hybrid) , 5A (9、12、14pins)	
Cable O.D:	Multi-pin type: Φ5.0~6.5mm、Φ6.5~8.5mm、Φ8.5~10.0mm、Φ10.0~12.0mm	
Details page:	Product Parameter Map: P37	Dimension Drawing: P41

LP-24 Series Information Overview   P43

Product application type:	Power: 2/3/4 pins Signal: 10/12/19/24 pins, RJ45, optical fiber	
	Data: USB, HDMI	
	Voltage Rating: 500V (2~4pins) , 400V (10、12pins) , 300V(2、3pins) , 250V (19、24pins) , 230V (3pins) Current Rating:45A(3pins), 35A(2、3pins), 25A(2~4pins), 10A(10、12pins), 5A(19、24pins)	
Cable O.D	Multi-pin type:Φ5.0~7.0mm、Φ7.0~10.5mm、Φ10.5~14.0mm	
	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	
	Voltage Rating: 500V (2~3pins) , 300V (8pins) Current Rating: 50A(2、3pins) , 15A(8pins)	
Cable O.D:	Multi-pin type: Φ10.0~15.0mm、Φ15.0~17.5mm、Φ17.5~20.5mm	
Details page:	Product Parameter Map: P47	Dimension Drawing: P48

─○─ **LP-12 Datasheet**

Product Series		LP-12				LP-12				—	—
Pin Number		2PIN	3PIN		4PIN	5PIN	6PIN	7PIN	8PIN	—	—
Contact Layout		Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	—	—
Current Rating(A)		5	5	5	5	5	5	3	3	—	—
Voltage Rating(V)		125	125	125	125	125	125	100	100	—	—
Cable O.D(mm)		φ3.5～φ4.5　　φ4.5～φ5.5　　φ5.5～φ6.5				φ3.5～φ4.5　　φ4.5～φ5.5　　φ5.5～φ6.5				—	—
Wire Gauge		0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.25~0.34mm²/24~22AWG	0.25~0.34mm²/24~22AWG	—	—
Protection Level		Connection Status IP68				Connection Status IP68				—	—
Terminal Type		Soldering	Soldering	Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	—	—

LP12 Power/Signal

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	—	—

—o— LP-12 Datasheet

	Product Series	LP-12				LP-12			
	Pin Number	2PIN	3PIN		4PIN	5PIN	6PIN	7PIN	8PIN	—
LP12 Power/Signal	Contact Layout	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	—
	Current Rating(A)	5	5	5	5	5	5	3	3	—
	Voltage Rating(V)	125	125	125	125	125	125	100	100	—
	Cable O.D(mm)	φ3.5～φ4.5　　φ4.5～φ5.5　　φ5.5～φ6.5				φ3.5～φ4.5　　φ4.5～φ5.5　　φ5.5～φ6.5				—
	Wire Gauge	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.25~0.34mm²/24~22AWG	0.25~0.34mm²/24~22AWG	—
	Protection Level	Connection Status IP68				Connection Status IP68				—
	Terminal Type	Soldering	Soldering	Screwing	Soldering	Soldering	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

46.5 REF

23.0 REF

17.1±0.3

In-line receptacle

46.0 REF

19.3±0.3

17.6±0.3

Single hole straight receptacle

17.55±0.3

19.3±0.3

55.5 REF

18.55±0.3

8.5±0.3

M12*1.25

11.3 +0.2 -0

φ12.0 +0.2 -0

Cut-out size

Metal plug

46.0 REF

23.0 REF

LP-12

16.85±0.3

Four-hole flange receptacle

18.9±0.3

8.4±0.3

13.0±0.15

19.0±0.3

13.0±0.15

57.4 REF

13.0

13.0

4-φ2.4 +0.2 -0

φ3.3 +0.2 -0

Cut-out size

LP-16 Datasheet

LP-16

	Product Series	LP-16				LP-16					
LP16 Power/Signal	Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	RJ45	Type- C	—
	Contact Layout	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female			—
	Current Rating(A)	10	10	10	5	5	5	5	1.5	3	—
	Voltage Rating(V)	400	400	400	250	250	250	250	125	5	—
	Cable O.D(mm)	φ3.0～φ5.0 φ5.0～φ7.0 φ7.0～φ9.0				φ3.0～φ5.0 φ5.0～φ7.0 φ7.0～φ9.0					—
	Wire Gauge	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	—	—	—
	Protection Level	Connection Status IP68				Connection Status IP68			Connection Status IP67	Connection Status IP68	—
	Terminal Type	Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	CAT.3~CAT.6	GEN1(5Gbps) GEN2(10Gbps)	

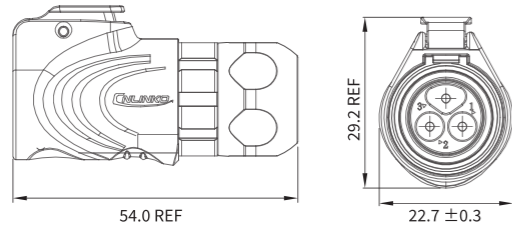| Illustration	Material		Part No				Part No					
Plug	Plastic	Male	LP-16-C02PE-02-001	LP-16-C03PE-02-001	LP-16-C04PE-02-001	LP-16-C05PE-02-001	LP-16-C07PE-02-001	LP-16-C08PE-02-001	LP-16-C09PE-02-001	LP-16-C/RJ45/015/PE-42-001	LP-16-TYPEC-MP-MP-1M-002	—
		Female	LP-16-J02PE-02-001	LP-16-J03PE-02-001	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-42-101	—
		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-42-401	—

LP-16 Datasheet

	Product Series	LP-16				LP-16			—	—	—
LP16 Power/Signal	Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	—	—	—
	Contact Layout	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	—	—	—
	Current Rating(A)	10	10	10	5	5	5	5	—	—	—
	Voltage Rating(V)	400	400	400	250	250	250	250	—	—	—
	Cable O.D(mm)	φ3.0～φ5.0	φ5.0～φ7.0	φ7.0～φ9.0		φ3.0～φ5.0	φ5.0～φ7.0	φ7.0～φ9.0	—	—	—
	Wire Gauge	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	—	—	—
	Protection Level	Connection Status IP68				Connection Status IP68					
	Terminal Type	Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering			

Illustration	Material		Part No				Part No					
Plug	Metal + Plastic	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	—	—	—
In-line receptacle		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 Datasheet

	Product Series	LP-16				LP-16					
	Pin Number	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN	RJ45	—	—
LP16 Power/Signal	Contact Layout	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female		—	—
	Current Rating(A)	10	10	10	5	5	5	5	1.5	—	—
	Voltage Rating(V)	400	400	400	250	250	250	250	125	—	—
	Cable O.D(mm)	φ3.0～φ5.0	φ5.0～φ7.0	φ7.0～φ9.0		φ3.0～φ5.0	φ5.0～φ7.0	φ7.0～φ9.0		—	—
	Wire Gauge	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG		—	—
	Protection Level	Connection Status IP68				Connection Status IP68					
	Terminal Type	Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	CAT.3~CAT.6		

Illustration	Material		Part No				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)
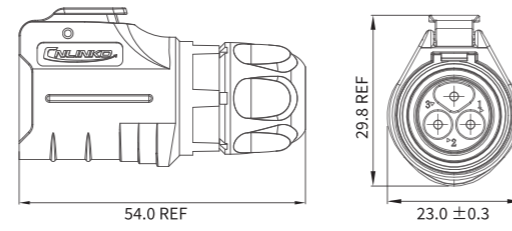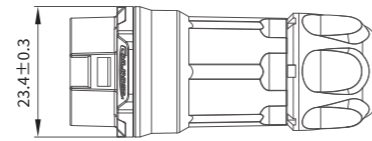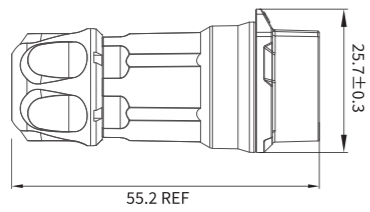
Metal Plug

29.2 REF
54.0 REF
22.7 ±0.3

Plastic Plug

29.8 REF
54.0 REF
23.0 ±0.3

In-line receptacle

25.7 ±0.3
55.2 REF
23.4±0.3

RJ45 In-line receptacle

φ24.0
27.5 ±0.3
61.6 REF
25.0±0.3

Single hole straight receptacle

25.5 REF
27.8 REF
71.1 REF
14.0 REF
21.8±0.3
M18*1.5
16.5 -0 +0.2
φ18.5 -0 +0.2
Cut-out size

RJ45 Single hole straight receptacle

φ25.0 ±0.3
27.5 ±0.3
35.6 REF
21.4±0.3
10.0±0.3
M22*1.5
20.3 -0 +0.2
φ22.3.0 -0 +0.2
Cut-out size

RJ45 Two-hole flange receptacle

26.0±0.3
19.0±0.15
34.0±0.3
24.0±0.15
76.6 REF
31.8 REF
22.9±0.3
11.4±0.3
19.0±0.1
24.0±0.1
φ24.0 -0 +0.2
2-φ8.2 -0 +0.2
Cut-out size

RJ45 Four-hole flange receptacle

31.0 REF
19.0±0.15
36.2 REF
24.0±0.15
78.1 REF
31.7 REF
22.9±0.3
14.9REF
19.0±0.1
24.0±0.1
φ24.0 -0 +0.2
φ4-3.2 -0 +0.2
Cut-out size
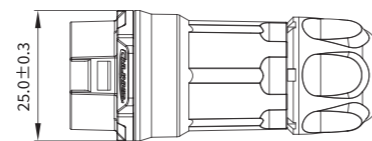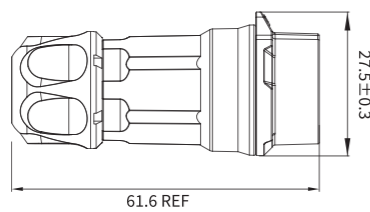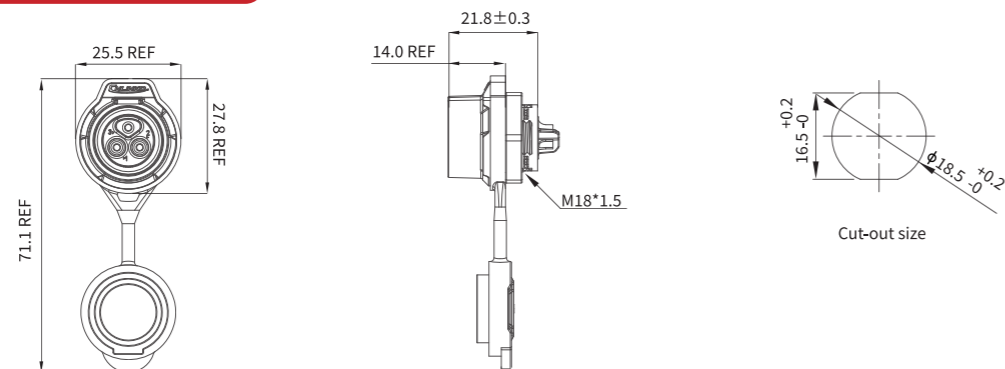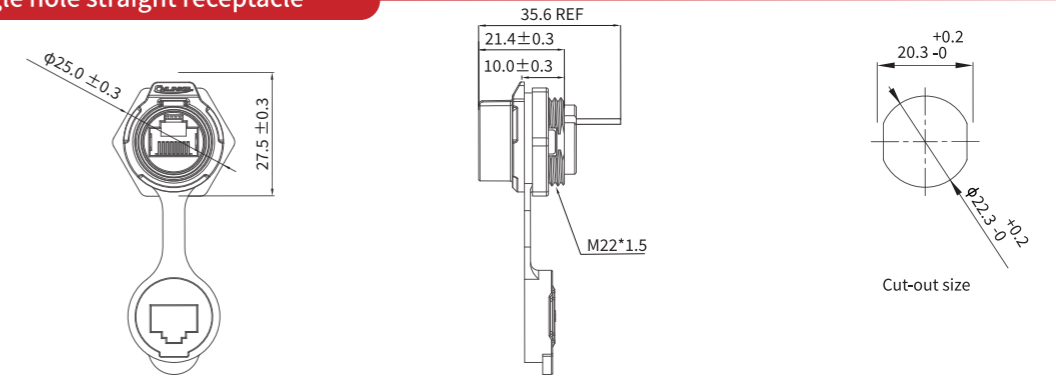
Four-hole flange receptacle
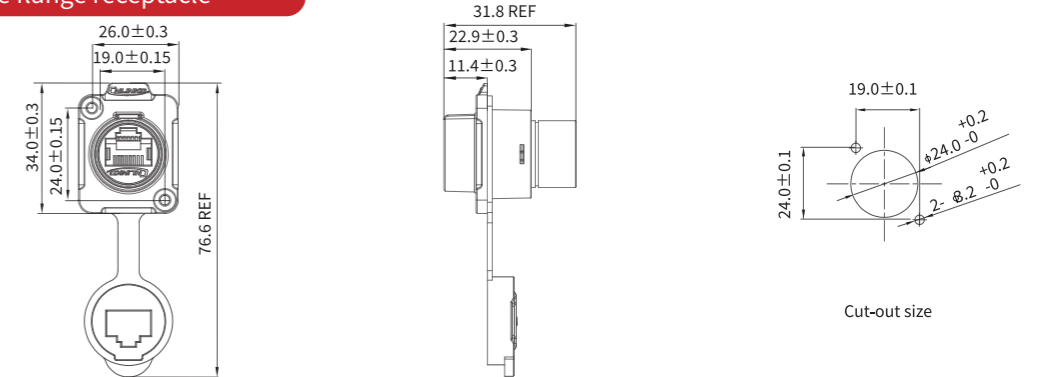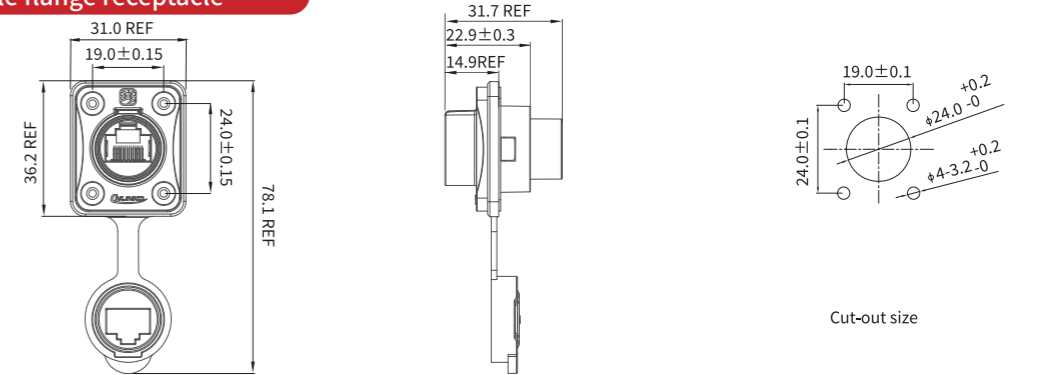
28.5±0.3
20.0±0.15
31.5±0.3
20.0±0.15
75.4 REF
21.8±0.3
10±0.3
20.0±0.1
20.0±0.1
φ16.5 -0 +0.2
4-φ3.2 -0 +0.2
Cut-out size

LP-20 Datasheet

		LP-20				LP-20					
Product Series											
Pin Number		2PIN	3PIN	4PIN	5PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN
LP20 Power/Signal	Contact Layout	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female
	Current Rating(A)	20	20	20	10	10/5	10	20/5	5	5	5
	Voltage Rating(V)	500	500	500	500	300	500	250	250	250	250
	Cable O.D(mm)	φ5.0~φ6.5	φ6.5~φ8.5	φ8.5~φ10.0	φ10.0~φ12.0	φ5.0~φ6.5		φ6.5~φ8.5	φ8.5~φ10.0	φ10.0~φ12.0	
	Wire Gauge	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG 0.34~0.5mm²/22~20AWG	1.0~1.5mm²/ 18~16AWG	2.5~4.0mm²/14~12AWG 0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG
	Protection Level	Connection Status IP68				Connection Status IP68					
	Terminal Type	Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	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-C05PE-01-051A	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-J05PE-01-0XXA	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-C05PE-03-0XXA	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-J05PE-03-0XXA	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-C05SX-03-151A	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-J05SX-03-151A	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-C05SX-03-2XXA	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-J05SX-03-2XXA	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-C05SX-03-4XXA	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-J05SX-03-451A	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

	Product Series	LP-20				LP-20					
LP20 Power/Signal	Pin Number	2PIN	3PIN	4PIN	5PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN
	Contact Layout	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female
	Current Rating(A)	20	20	20	10	10/5	10	20/5	5	5	5
	Voltage Rating(V)	500	500	500	500	300	500	250	250	250	250
	Cable O.D(mm)	φ5.0〜φ6.5	φ6.5〜φ8.5	φ8.5〜φ10.0	φ10.0〜φ12.0		φ5.0〜φ6.5 φ6.5〜φ8.5 φ8.5〜φ10.0 φ10.0〜φ12.0				
	Wire Gauge	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG 0.34~0.5mm²/22~20AWG	1.0~1.5mm²/ 18~16AWG	2.5~4.0mm²/14~12AWG 0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG
	Protection Level	Connection Status IP68				Connection Status IP68					
	Terminal Type	Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	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-C05PE-02-0XXA	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-J05PE-02-0XXA	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-C05PE-02-0XXA	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-J05PE-02-0XXA	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-C05SX-02-1XXA	LP-20-C07SX-02-101A	LP-20-C08SX-02-151A	LP-20-C09SX-02-101A	LP-20-C12SX-02-101A	LP-20-C14SX-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-J05SX-02-1XXA	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

35.4 REF
63.5 REF
29.0±0.3

Plastic Plug

36.5 REF
64.0 REF
27.0±0.3

In-line receptacle

31.4±0.3
64.0 REF
28.0±0.3

Single hole straight receptacle

30.6±0.3
31.4±0.3
85.0 REF
25±0.3
9.0±0.3
M22*1.5
20.0 +0.2 -0
ϕ22.5 +0.2 -0
Cut-out size

Two-hole flange receptacle

28.0±0.3
19.0±0.15
35.7±0.3
24.0±0.15
88.4 REF
23.9±0.3
7.5±0.3
19.0±0.1
24.0±0.1
ϕ2-3.2 -0 +0.2
ϕ20.4 -0 +0.2
Cut-out size

Four-hole flange receptacle

30.0±0.3
22.0±0.15
22.0±0.15
87.0 REF
23.9±0.3
7.5±0.3
22.0±0.1
22.0±0.1
ϕ4-3.2 -0 +0.2
ϕ20.4 -0 +0.2
Cut-out size

─o─ LP-24 Datasheet

	Product Series	LP-24				LP-24						
	Pin Number	2PIN		3PIN		3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45
LP24 Power/Signal	Contact Layout	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	
	Current Rating(A)	25	35	25	35	45	25	10	10	5	5	1.5
	Voltage Rating(V)	500	300	500	300	230	500	400	400	250	250	125
	Cable O.D(mm)	φ5.0～φ7.0 φ7.0～φ10.5 φ10.5～φ14.0						φ5.0～φ7.0	φ7.0～φ10.5	φ10.5～φ14.0		
	Wire Gauge	2.5~4.0mm²/14~12AWG	6.0~8.0mm²/10~8AWG	2.5~4.0mm²/14~12AWG	6.0~8.0mm²/10~8AWG	8(power cord)~10(single cord) mm²8~6AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	0.34~0.5mm²/ 22~20AWG	0.34~0.5mm²/ 22~20AWG	—
	Protection Level	Connection Status IP68					Connection Status IP68					
	Terminal Type	Soldering/Screwing	Soldering	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	CAT.3~CAT.6

Illustration	Material		Part No					Part No				
Plug	Plastic / Metal	Male	LP-24-C02PE-01-001	LP-24-C02PE-01-035	LP-24-C03PE-01-004	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
		Female	LP-24-J02PE-01-001	LP-24-J02PE-01-035A	LP-24-J03PE-01-002	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-01-001	LP-24-C02PP-01-035	LP-24-C03PP-01-0xx	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-01-001	LP-24-J02PP-01-035	LP-24-J03PP-01-0xx	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-03-101	LP-24-C02SX-03-135	LP-24-C03SX-03-1xx	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-03-101	LP-24-J02SX-03-135	LP-24-J03SX-03-1xx	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
Four-hole flange receptacle		Male	LP-24-C02SX-03-401	LP-24-C02SX-03-435	LP-24-C03SX-03-405	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-03-401	LP-24-J02SX-03-435	LP-24-J03SX-03-403	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 Dimension Drawing (unit: mm)

Product Series	LP-24				
Pin Number	USB2.0	USB3.0	HDMI2.0	HDMI2.1	Optical fiber
Contact Layout					
Current Rating(A)	1.5	1.8	0.5	0.5	—
Voltage Rating(V)	5	5	5	5	—
Cable O.D(mm)	φ5.0～φ7.0		φ7.0～φ10.5	φ10.5～φ14.0	
Wire Gauge	—	—	—	—	—
Protection Level	Connection Status IP68				
Terminal Type	480 Mbps	5.0 Gbps	18 Gbps	48 Gbps	plug-in loss≤0.35dB return loss≥50dB

LP24 Power/Signal

Illustration	Material	Part No				
Plug	Plastic / Metal	Male	LP-24-C/USB3/016/PE-43-001	LP24-USB3-MP-MP-1M-001	LP24-HDMI-MP-MP-1M-001	LP24-HDMI-MP-MP-1M-002	LP-24-C/LC/016/PE-41-004 LP-24-C/LC/016/PE-41-001
		Female	—	—	—	—	—
Single hole straight receptacle		Male	—	—	—	—	—
		Female	—	—	—	—	—
Two-hole flange receptacle		Male	—	—	—	—	—
		Female	LP-24-J/USB2/213/SX-43-101A	LP-24-J/USB3/213/SX-43-101A	LP-24-J/HDMI2/213/SX-43-101A	LP-24-J/HDMI21/213/SX-43-102	LP-24-J/LC/213/SX-43-101A LP-24-J/LC/213/SX-43-102A
Four-hole flange receptacle		Male	—	—	—	—	—
		Female	LP-24-J/USB2/213/SX-43-101A	LP-24-J/USB3/213/SX-43-401A	LP-24-J/HDMI2/213/SX-43-401	LP-24-J/HDMI21/213/SX-43-401	LP-24-J/LC/213/SX-43-402
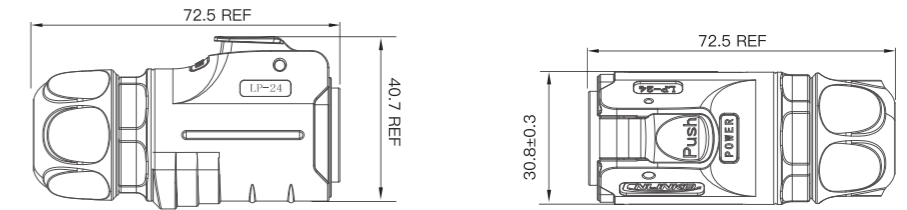
Plug

72.5 REF   40.7 REF   72.5 REF   30.8±0.3

In-line receptacle

71.3 REF   34.6±0.3   71.3 REF   31.0±0.3

Single hole straight receptacle

28.8±0.3   30.79±0.3   29.8±0.3   10.5±0.3   34.4±0.3   93.3 REF   34.4±0.3   M25*P1.5   φ25.2 +0.2/-0   24.2 +0.2/-0.2

Cut-out size

Four-hole flange receptacle

33.0±0.3   26.0±0.15   29.8±0.3   10.5±0.3   26.0±0.1   26.0±0.15   35.7±0.3   92.8 REF   26.0±0.1   4-φ 3.2,0 +0.2/-0.2   φ24.0 +0.2/-0

Cut-out size

Manufacturer of Industrial Waterproof Connector With High Reliability

CNLINKO
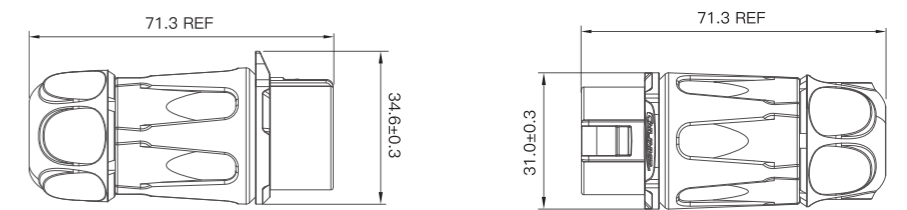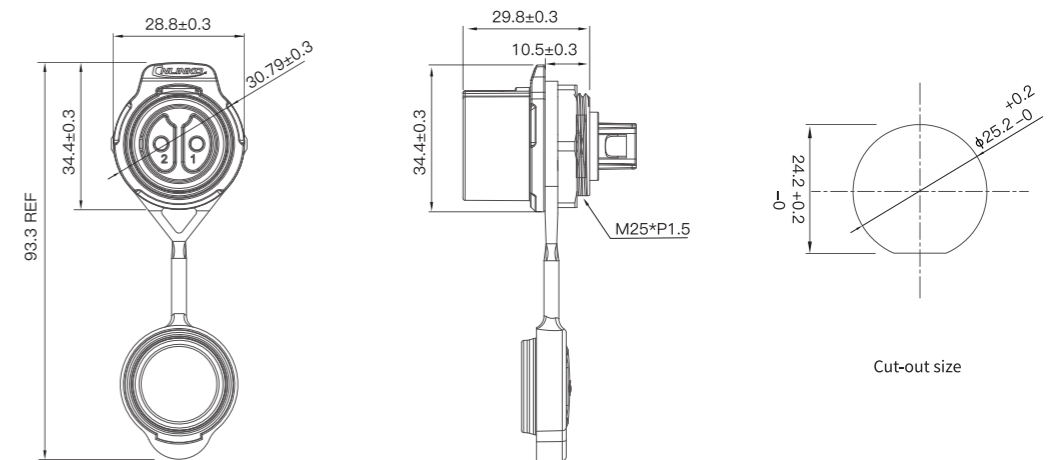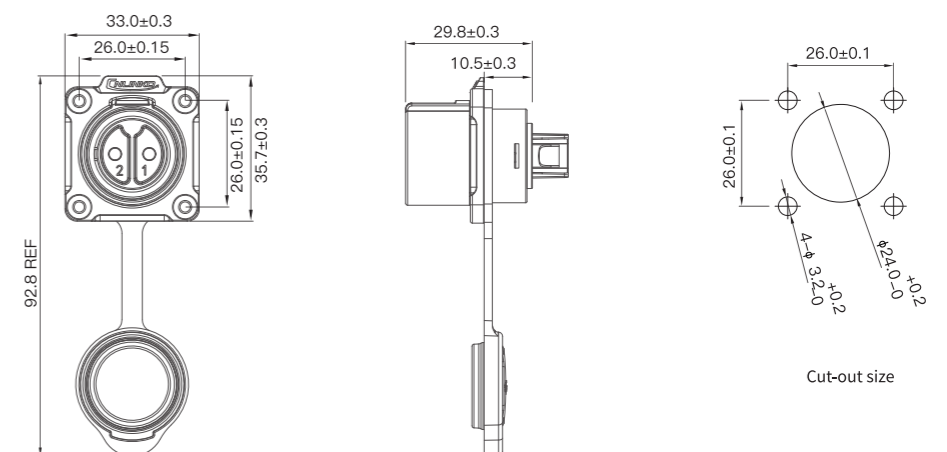
LP-28 Datasheet

LP-28

Product Series		LP-28		
Pin Number		2PIN	3PIN	8PIN
Contact Layout		Male Female	Male Female	Male Female
Current Rating(A)		50	50	15
Voltage Rating(V)		500	500	300
Cable O.D(mm)		φ10.0～φ15.0 φ15.0～φ17.5 φ17.5～φ20.5		
Wire Gauge		10~16mm²/8~6AWG	10~16mm²/8~6AWG	2.5~4.0mm²/14~12AWG
Protection Level		Connection Status IP68		
Terminal Type		Riveting/Screwing	Riveting/Screwing	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)	

LP28 Power/Signal

LP-28 Dimension Drawing (unit: mm)

Plug   **In-line receptacle**

86.8 REF   86.8 REF   38.1±0.3   86.8 REF
48.4REF   37.5±0.3   43.1±0.3

Single hole straight receptacle

38.0±0.3   37±0.3   27.5 +0.2 -0
43.0±0.3   17±0.3
116.0 REF   M29*P1.5   φ29.5 +0.2 -0

Cut-out size

Four-hole flange receptacle

37.0±0.3   29.0±0.3   28.0±0.1
28±0.15   9.0±0.3   28±0.1
42.0±0.3   φ28.0 +0.2 -0
28±0.15   4-3.2.0 +0.2 -0
115.5 REF

Cut-out size
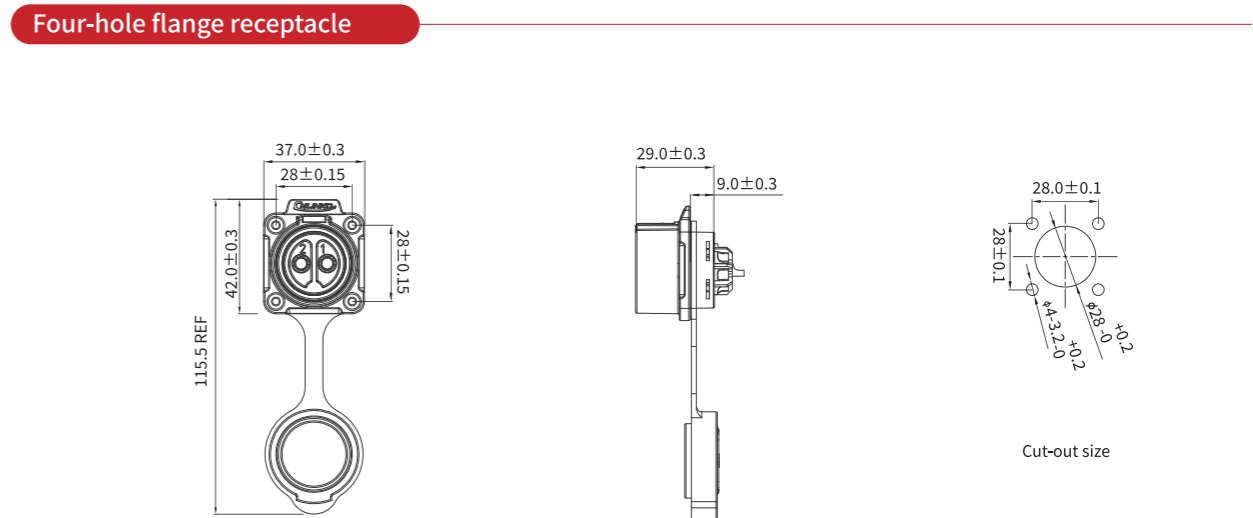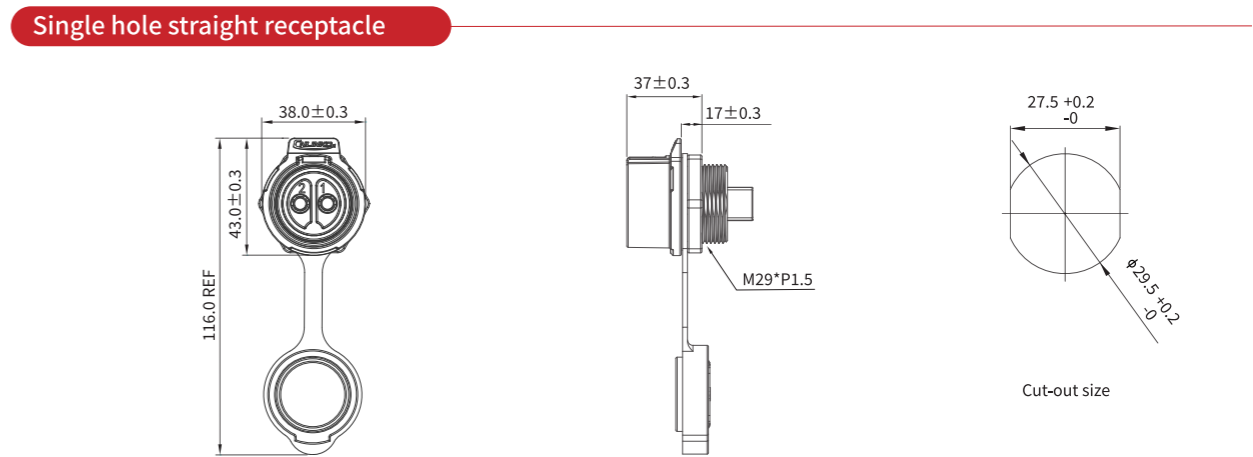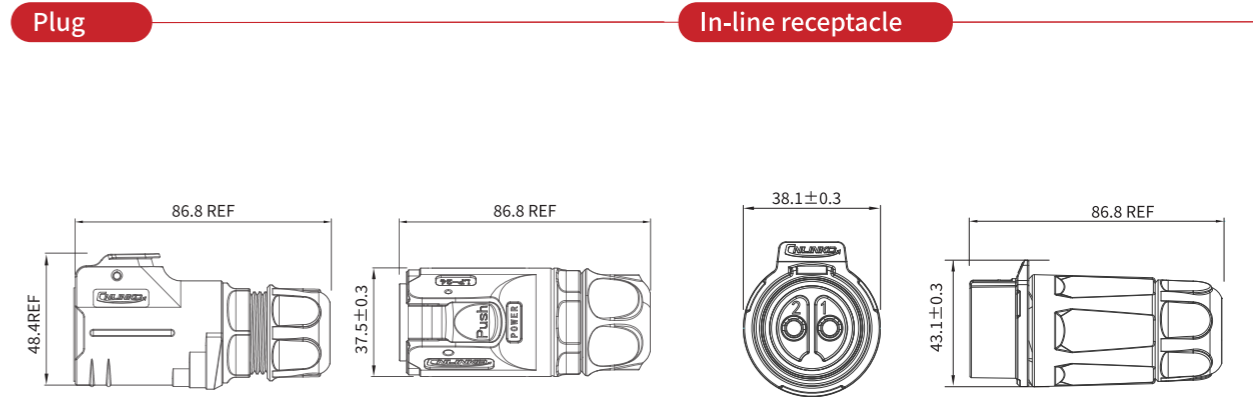
YM　SERIES

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   Installation Video 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.

End assembly

Shell assembly

Module assembly

Receptacle assembly
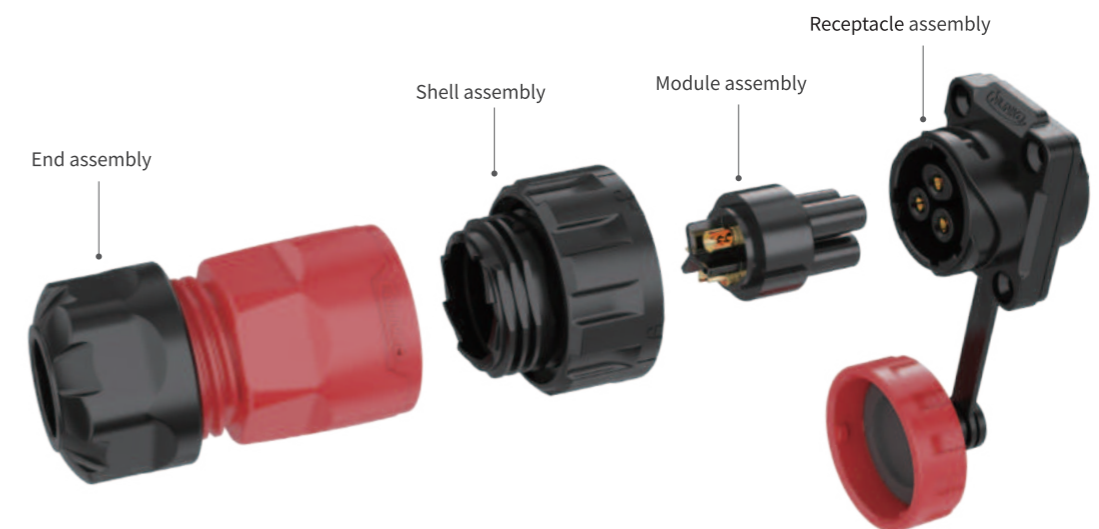
Series Infographic

YM-20 Series Information Overview · P55

Product application type:	Power: 2/3/4 Pins	
	Signal: 5/7/9/12/14 pins	
	Voltage Rating: 500V (2~5、7pins) , 300V (3pins) , 250V (8-pins hybrid、9、12、14pins) Current Rating: 20A (2~4pins) , 10A (5、7pins) ,20A+5A (8-pins hybrid) , 10A+5A (5-pins hybrid) ,5A (9、12、14pins)	
Cable O.D:	Multi-pin type: Φ5.0~6.5mm、Φ6.5~8.5mm、Φ8.5~10.0mm、Φ10.0~12.0mm	
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
	Voltage Rating: 500V (2~4、10、12pins) , 300V (2、3pins) , 250V (19、24pins) , 230V (3pins)	
	Current Rating: 45A(3pins), 35A(2~3pins), 25A(2~4pins), 10A(10、12pins), 5A(19、24pins)	
Cable O.D:	Multi-pin type: Φ5.0~7.0mm、Φ7.0~10.5mm、Φ10.5~14.0mm	
	Signal type: Φ5.0~7.0mm (RJ45) , Φ5.0~7.0mm (Optical fiber)	
	Data type:Φ5.0~7.0mm (USB、HDMI)	
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-20 Datasheet

YM-20

	Product Series	YM-20				YM-20					
YM20 Power/Signal	Pin Number	2PIN	3PIN	4PIN	5PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN
	Contact Layout	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female
	Current Rating(A)	20	20	20	10	10/5	10	20/5	5	5	5
	Voltage Rating(V)	500	500	500	500	300	500	250	250	250	250
	Cable O.D(mm)	φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0		φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0	
	Wire Gauge	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG 0.34~0.5mm²/22~20AWG	1.0~1.5mm²/ 18~16AWG	2.5~4.0mm²/14~12AWG 0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG
	Protection Level	Connection Status IP68				Connection Status IP68					
	Terminal Type	Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering

Illustration	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-C05PE-02-0xxA	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-J05PE-02-0xxA	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-C05PP-02-0xxA	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-J05PP-02-0xxA	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-C05SX-02-1xxA	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-J05SX-02-1xxA	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-C05SX-02-4xxA	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-J05SX-02-4xxA	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
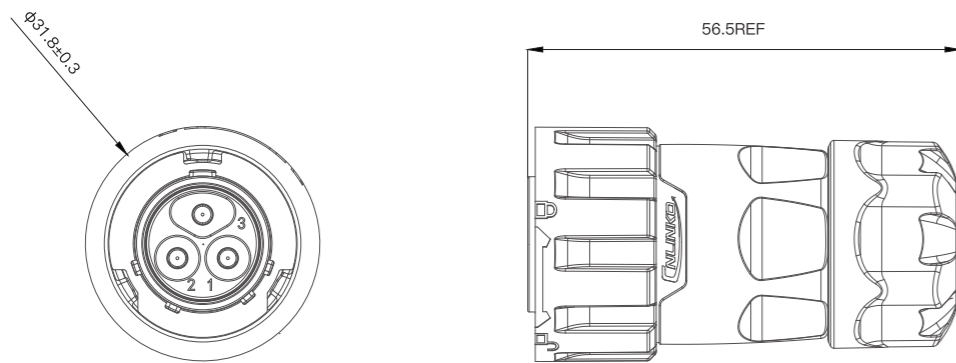
φ31.8±0.3

56.5REF

Single hole straight receptacle

32.2±0.3
2−28.5±0.3
φ30.0±0.3
28.5±0.3
108 REF

24.1±0.3
11.8±0.3
Tr23*2.0

φ23.5 +0.2 −0
21.5 +0.2 −0

Cut−out size

In-line receptacle

φ30.0±0.3

55.0REF

Four-hole flange receptacle

26.5±0.3
19.0±0.15
24±0.15
32.7±0.3
108 REF

22.9±0.3
8.1±0.3

φ22.5 +0.2 −0
19.0±0.1
24±0.1
4−φ3.2 +0.2 −0
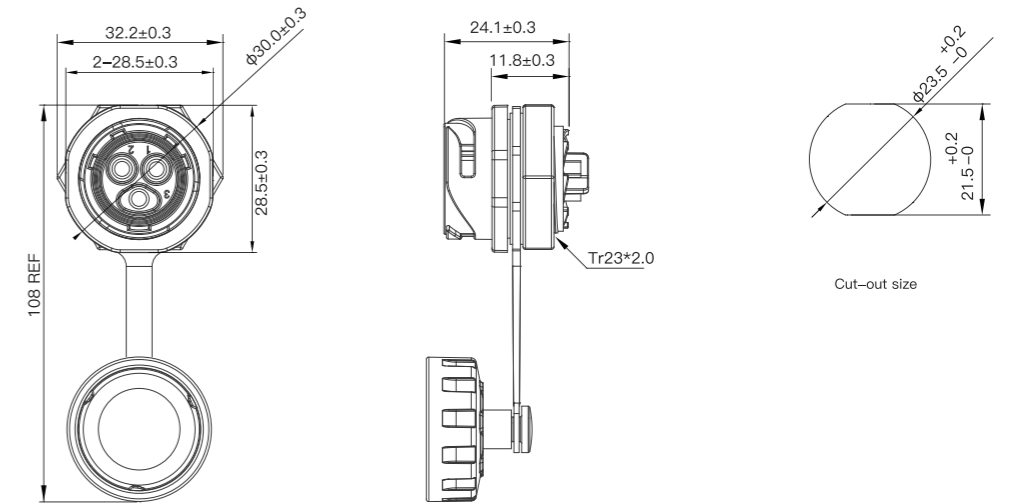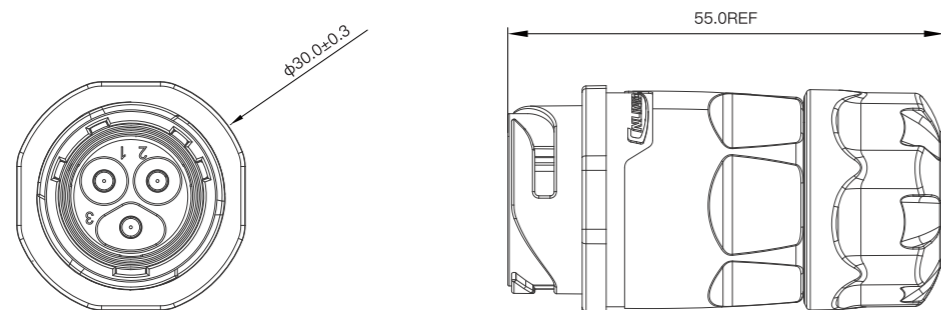
Cut−out size
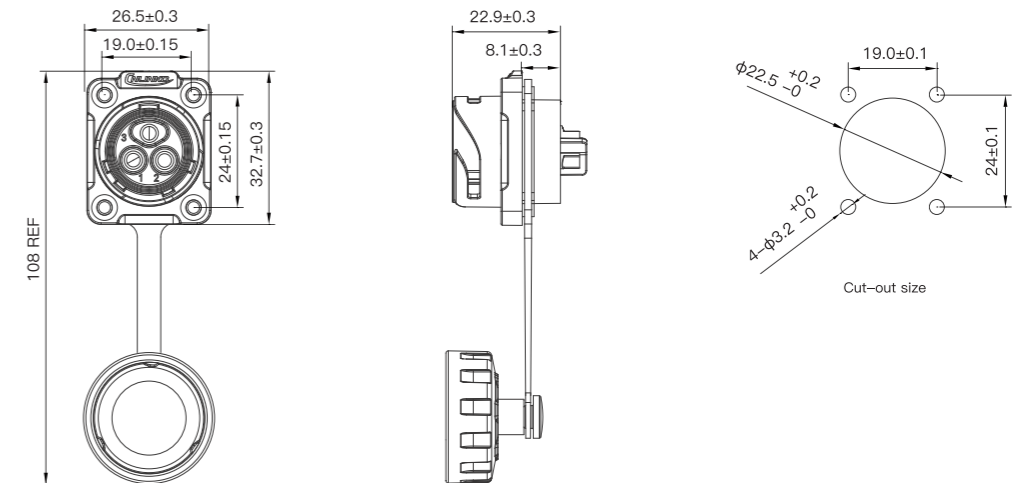
—○— YM-24 Datasheet

YM-24

YM24 Power/Signal

Product Series		YM-24				YM-24						
Pin Number		2PIN	3PIN			3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45
Contact Layout		Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	
Current Rating(A)		25	35	25	35	45	25	10	10	5	5	1.5
Voltage Rating(V)		500	300	500	300	230	500	500	500	250	250	125
Cable O.D(mm)		φ5.0～φ7.0　φ7.0～φ10.5　φ10.5～φ14.0						φ5.0～φ7.0	φ7.0～φ10.5	φ10.5～φ14.0		
Wire Gauge		2.5~4.0mm²/14~12AWG	6.0~8.0mm²/10~8AWG	2.5~4.0mm²/14~12AWG	6.0~8.0mm²/10~8AWG	8(power cord)~10(single cord) mm²8~6AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	0.34~0.5mm²/ 22~20AWG	0.34~0.5mm²/ 22~20AWG	—
Protection Level		Connection Status IP68					Connection Status IP68					
Terminal Type		Soldering/Screwing	Soldering	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	CAT.3~CAT.6

Illustration	Material		Part No				Part No					
Plug	Plastic	Male	YM–24–C02PE–02–001	YM–24–C02PE–02–035	YM–24–C03PE–02–001	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
		Female	YM–24–J02PE–02–001	YM–24–J02PE–02–035	YM–24–J03PE–02–001	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–02–001	YM–24–C02PP–02–035	YM–24–C03PP–02–001	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–02–001	YM–24–J02PP–02–035	YM–24–J03PP–02–001	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–02–101	YM–24–C02SX–02–135	YM–24–C03SX–02–101	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–02–101	YM–24–J02SX–02–135	YM–24–J03SX–02–101	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
Four-hole flange receptacle		Male	YM–24–C02SX–02–401	YM–24–C02SX–02–435	YM–24–C03SX–02–401	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–02–401	YM–24–J02SX–02–435	YM–24–J03SX–02–401	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 Dimension Drawing (unit: mm)

Product Series		YM-24				
Pin Number		USB2.0	USB3.0	HDMI2.0	HDMI2.1	Optical fiber
Contact Layout						
Current Rating(A)		1.5	1.8	0.5	0.5	—
Voltage Rating(V)		5	5	5	5	—
Cable O.D(mm)		φ5.0～φ7.0		φ7.0～φ10.5	φ10.5～φ14.0	
Wire Gauge		—	—	—	—	—
Protection Level		Connection Status IP68				
Terminal Type		480 Mbps	5.0 Gbps	18 Gbps	48 Gbps	plug-in loss≤0.35dB return loss≥50dB

YM24 Power/Signal

Illustration	Material		Part No				
Plug	Plastic	Male	YM-24-USB2-MP-MP-1M-001	YM24-USB3-MP-MP-1M-001	YM24-HDMI-MP-MP-1M-001	YM24-HDMI-MP-MP-1M-003	YM-24-C/LC/016/PE-42-002 YM-24-C/LC/016/PE-42-001
		Female	—	—	—	—	—
In-line receptacle		Male	—	—	—	—	—
		Female	—	—	—	—	—
Single hole straight receptacle		Male	—	—	—	—	—
		Female	YM-24-J/USB2/213/SX-42-101A	YM-24-J/USB3/213/SX-42-101A	YM-24-J/HDMI2/213/SX-42-101	YM-24-J/HDMI21/213/SX-42-101	YM-24-J/LC/213/SX-42-102 YM-24-J/LC/213/SX-42-101
Four-hole flange receptacle		Male	—	—	—	—	—
		Female	YM-24-J/USB2/213/SX-42-401A	YM-24-J/USB3/213/SX-42-401A	YM-24-J/HDMI2/213/SX-42-401	YM-24-J/HDMI21/213/SX-42-401	YM-24-J/LC/213/SX-42-402 YM-24-J/LC/213/SX-42-401

Plug
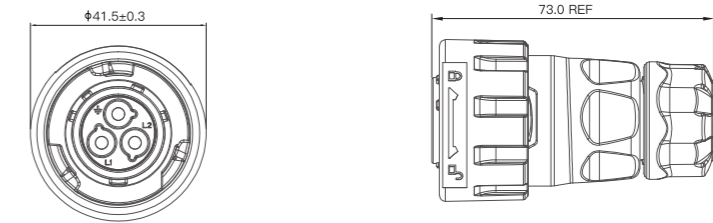
φ41.5±0.3

73.0 REF

In-line receptacle

70.6 REF

φ39.0±0.3

Single hole straight receptacle

128.0 REF

35.5±0.3

33.2±0.3

12.0±0.3

M28*P1.5

27.0 +0.2 -0

φ28.2 +0.2 -0

Cut-out size

Four-hole flange receptacle

42.0±0.3

37.0±0.3

28.0±0.15

28.0±0.15

134.0 REF

32.0±0.3

10.6±0.3

28±0.1

28±0.1

4-φ3.2 +0.2 -0.0

φ28.2 +0.2 -0.0
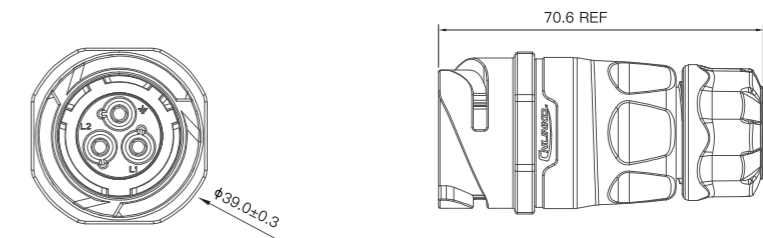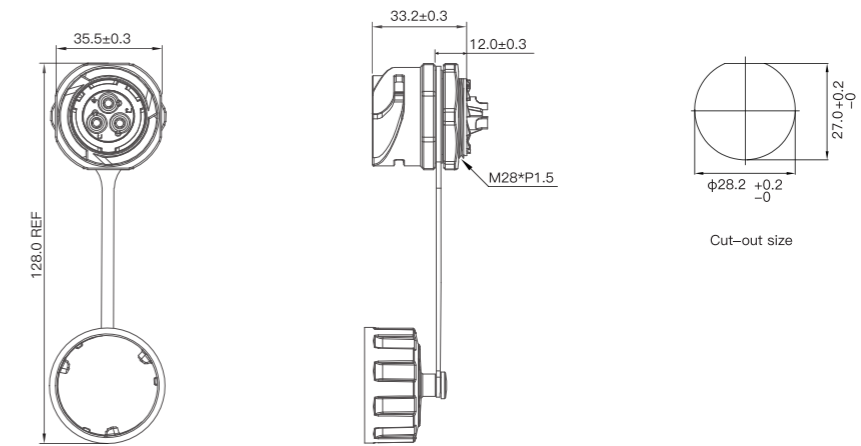
Cut-out size
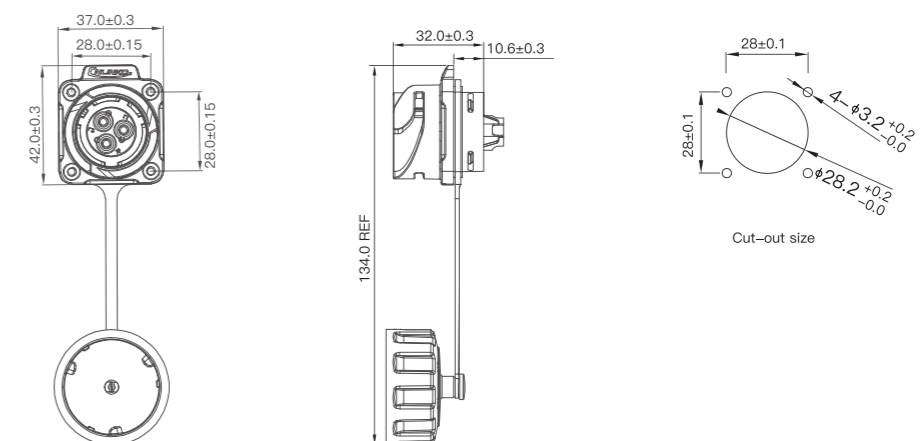
BD

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   Installation Video 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.

End assembly

Shell assembly

Module part

Receptacle assembly

BD SERIES

BD SERIES

Series Infographic

BD-20 Series Information Overview   P69

Product application type:	Power: 2/3/4 pin
	Signal: 5/7/9/12/14 pin
	Voltage Rating: 500V (2~5、7pins) , 300V (5-pins hybrid) , 250V (8-pins hybrid、9、12、14pins) Current Rating: 20A (2~4pins) , 20A+5A (8-pins hybrid) , 10A+5A (5-pins hybrid) , 10A (5、7pins) ,5A (9、12、14pins)
Cable O.D:	Multi-pin type:Φ5.0~6.5mm、Φ6.5~8.5mm、Φ8.5~10.0mm、Φ10.0~12.0mm
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
	Voltage Rating: 500V (2~4、10、12pins) , 300V (2、3pins) , 250V (19、24pins) , 230V (3pins) Current Rating: 45A(3pins)、35A(2、3pins)、25A(2~4pins)、10A(10、12pins)、5A(19、24pins)
Cable O.D:	Multi-pin type: Φ5.0~7.0mm、Φ7.0~10.5mm、Φ10.5~14.0mm
	Data type: Φ5.0~Φ7.0mm (USB、HDMI)
	Signal type：Φ5.0~Φ7.0mm (RJ45) , Φ5.0~Φ7.0mm (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.

—o— BD-20 Datasheet

BD20 Power/Signal	Product Series	BD-20				BD-20					
	Pin Number	2PIN	3PIN	4PIN	5PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN
	Contact Layout	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female
	Current Rating(A)	20	20	20	10	10/5	10	20/5	5	5	5
	Voltage Rating(V)	500	500	500	500	300	500	250	250	250	250
	Cable O.D(mm)	φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0	φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0		
	Wire Gauge	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG 0.34~0.5mm²/22~20AWG	1.0~1.5mm²/ 18~16AWG	2.5~4.0mm²/14~12AWG 0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG
	Protection Level	Connection Status IP68				Connection Status IP68					
	Terminal Type	Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	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-C05PE-03-0xxA	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-J05PE-03-0xxA	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-C02SX-03-401A	BD-20-C03SX-03-401A	BD-20-C04SX-03-401A	BD-20-C05SX-03-401A	BD-20-C05SX-03-4xxA	BD-20-C07SX-03-401A	BD-20-C08SX-03-401A	BD-20-C09SX-03-401A	BD-20-C12SX03-401A	BD-20-C14SX-03-401A
		Female	BD-20-J02SX-03-401A	BD-20-J03SX-03-401A	BD-20-J04SX-03-401A	BD-20-J05SX-03-401A	BD-20-J05SX-03-4xxA	BD-20-J07SX-03-401A	BD-20-J08SX-03-401A	BD-20-J09SX-03-401A	BD-20-J12SX-03-401A	BD-20-J14SX-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-C05PE-02-0xxA	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-J05PE-02-0xxA	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-C02SX-02-401A	BD-20-C03SX-02-401A	BD-20-C04SX-02-401A	BD-20-C05SX-02-401A	BD-20-C05SX-02-4xxA	BD-20-C07SX-02-401A	BD-20-C08SX-02-401A	BD-20-C09SX-02-401A	BD-20-C12SX-02-401A	BD-20-C14SX-02-401A
		Female	BD-20-J02SX-02-401A	BD-20-J03SX-02-401A	BD-20-J04SX-02-401A	BD-20-J05SX-02-401A	BD-20-J05SX-02-4xxA	BD-20-J07SX-02-401A	BD-20-J08SX-02-401A	BD-20-J09SX-02-401A	BD-20-J12SX-02-401A	BD-20-J14SX-02-401A

BD-20 Dimension Drawing (unit: mm)

Metal plug

26.5±0.3

62.0REF

φ23.7±0.3

Plastic plug

26.1±0.3

62.0 REF

24.5±0.3

Metal Four-hole flange receptacle

32.4±0.3
22.0±0.15
41.4 REF
32.4±0.3
22.0±0.15

29.5REF
18.0±0.3

4−φ3.2 +0.2 −0
φ22.0 +0.2 −0
22.0±0.1
22.0±0.1
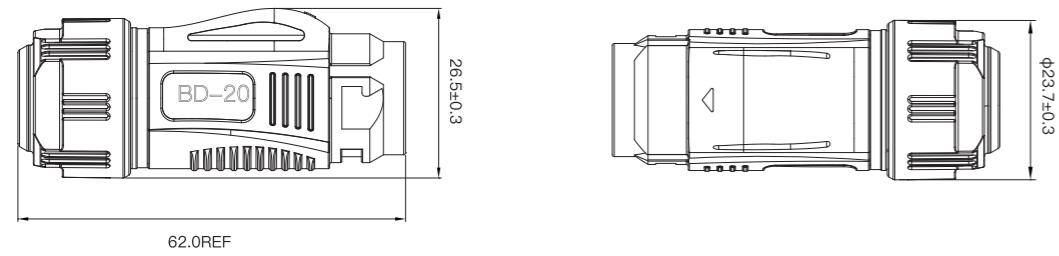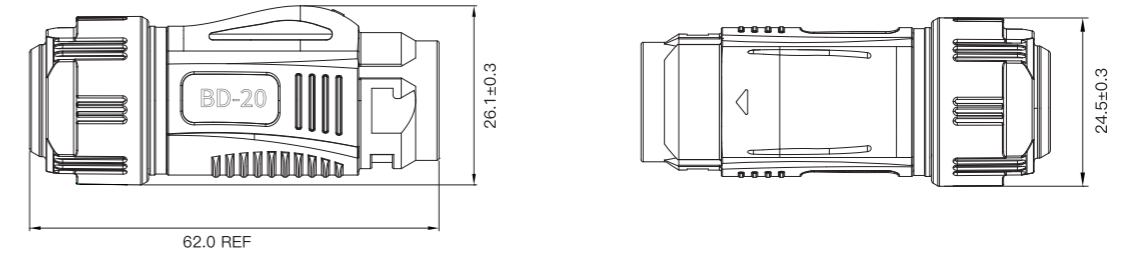
Cut-out size
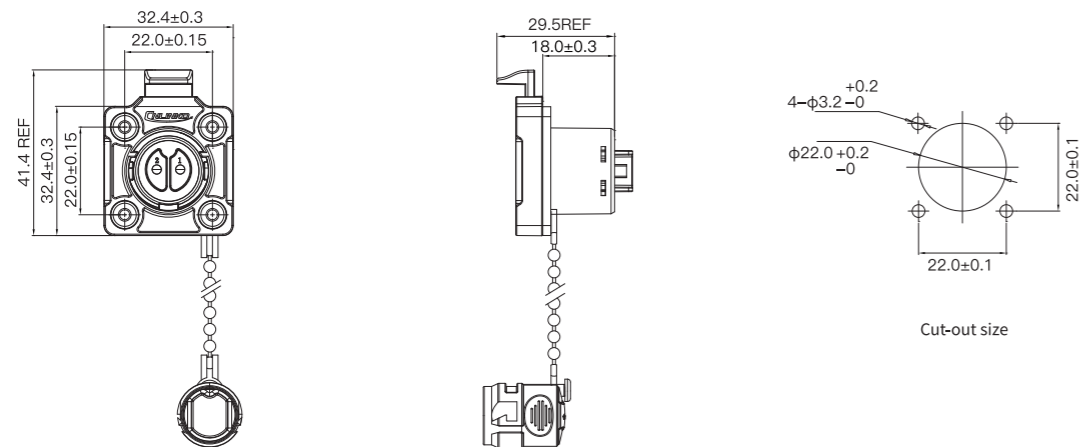
Plastic Four-hole flange receptacle

32.4±0.3
22.0±0.15
41.4 REF
32.4±0.3
22.0±0.15

29.5REF
18.0±0.3

4−φ3.2 +0.2 −0
φ22.0 +0.2 −0
22.0±0.1
22.0±0.1

Cut-out size
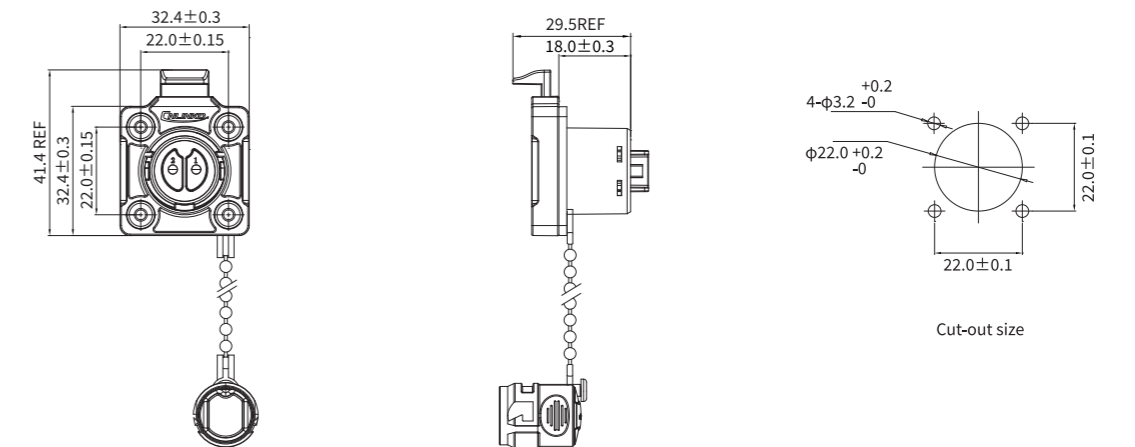
BD-24 Datasheet

BD-24

BD24 Power/Signal

Product Series		BD-24				BD-24						
Pin Number		2PIN		3PIN		3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45
Contact Layout		Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	
Current Rating(A)		25	35	25	35	45	25	10	10	5	5	1.5
Voltage Rating(V)		500	300	500	300	230	500	400	400	250	250	125
Cable O.D(mm)		φ5.0～φ7.0 φ7.0～φ10.5 φ10.5～φ14.0						φ5.0～φ7.0	φ7.0～φ10.5	φ10.5～φ14.0		
Wire Gauge		2.5~4.0mm²/14~12AWG	6.0~8.0mm²/10~8AWG	2.5~4.0mm²/14~12AWG	6.0~8.0mm²/10~8AWG	8(power cord)~10(single cord) mm²8~6AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	0.34~0.5mm²/ 22~20AWG	0.34~0.5mm²/ 22~20AWG	—
Protection Level		Connection Status IP68					Connection Status IP68					
Terminal Type		Soldering/Screwing	Soldering	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	CAT.3~CAT.6

Illustration	Material		Part No						Part No				
Metal plug	Metal	Male	BD-24-C02PE-03-001	BD-24-C02PE-03-035	BD-24-C03PE-03-001A	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
		Female	BD-24-J02PE-03-001	BD-24-J02PE-03-035	BD-24-J03PE-03-001A	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	—
Metal receptacle		Male	BD-24-C02SX-03-207	BD-24-C02SX-03-237	BD-24-C03SX-03-207A	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	—
		Female	BD-24-J02SX-03-207	BD-24-J02SX-03-237	BD-24-J03SX-03-207A	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-43-208
Four-hole flange receptacle		Male	BD-24-C02SX-03-407	BD-24-C02SX-03-437	BD-24-C03SX-03-4xxA	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	—
		Female	BD-24-J02SX-03-407	BD-24-J02SX-03-437	BD-24-J03SX-03-xxxA	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-43-408
Plastic plug	Plastic	Male	BD-24-C02PE-02-001	BD-24-C02PE-02-035	BD-24-C03PE-02-001A	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
		Female	BD-24-J02PE-02-001	BD-24-J02PE-02-035	BD-24-J03PE-02-001A	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	—
Plastic receptacle		Male	BD-24-C02SX-02-207	BD-24-C02SX-02-237	BD-24-C03SX-02-207A	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	—
		Female	BD-24-J02SX-02-207	BD-24-J02SX-02-237	BD-24-J03SX-02-207A	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	BBD-24-J/RJ45/213/ SX-42-208

BD-24 Dimension Drawing (unit: mm)

Product Series	BD-24				
Pin Number	USB2.0	USB3.0	HDMI2.0	HDMI2.1	Optical fiber
Contact Layout					
Current Rating(A)	1.5	1.8	0.5	0.5	—
Voltage Rating(V)	5	5	5	5	—
Cable O.D(mm)	φ5.0～φ7.0		φ7.0～φ10.5	φ10.5～φ14.0	
Wire Gauge	—	—	—	—	—
Protection Level	Connection Status IP68				
Terminal Type	480 Mbps	5.0 Gbps	18 Gbps	48 Gbps	plug−in loss≤0.35dB return loss≥50dB

BD24 Power/Signal

Illustration	Material	Part No				
Metal plug	Metal	Male	BD-24-C/USB3/016/PE-03-001	BD-24-C/USB3/016/PE-03-001	BD-24-C/HDMI2/016/PE-43-001	BD24-HDMI-MP-MP-1M-005	BD-24-C/LC/016/PE-42-002
		Female	—	—	—	—	BD-24-C/LC/016/PE-42-002
Metal receptacle		Male	—	—	—	—	BD-24-J/LC/213/SX-42-202
		Female	BD-24-J/USB2/213/SX-43-207A	BD-24-J/USB3/213/SX-43-207A	BD-24-J/HDMI2/213/SX-43-207	BBD-24-J/HDMI21/213/SX-43-207	BD-24-J/LC/213/SX-42-202
Four-hole flange receptacle		Male	—	—	—	—	BD-24-C/LC/016/PE-43-002
		Female	BD24-J/USB2/213/SX-43-407A	BD-24-J/USB3/213/SX-43-407A	BD-24-J/HDMI2/213/SX-43-407	BD-24-J/HDMI21/213/SX-43-407	BD-24-C/LC/016/PE-43-002
Plastic plug	Plastic	Male	BD-24-C/USB3/016/PE-42-001A	BD24-USB3-MP-MP-1M-001	BD24-HDMI-MP-MP-1M-001	—	BD-24-J/LC/213/SX-43-202
		Female	—	—	—	—	BD-24-J/LC/213/SX-43-202
Plastic receptacle		Male	—	—	—	—	BD-24-J/LC/213/SX-43-201
		Female	BD-24-J/USB2/213/SX-42-207A	BD-24-J/USB3/213/SX-42-207A	BD-24-J/HDMI2/213/SX-42-207	BBD-24-J/HDMI21/213/SX-42-2xx	BD-24-J/LC/213/SX-43-201

Plastic plug

73.0 REF φ27.6±0.3 29.7±0.3 73.0 REF BD-24

Metal plug

73.0 REF φ26.9±0.3 29.4±0.3 73.0 REF BD-24

Two-hole flange receptacle

19.0±0.15 33.4REF 21.5±0.3 39.0 REF 24.0±0.15 30.0±0.30
19.0±0.10 φ24.0 +0.2/−0 24.0±0.10 2−φ3.2 +0.2/−0
Cut-out size

Four-hole flange receptacle

35.2±0.3 26.0±0.15 33.4 REF 21.5±0.3 43.1 REF 35.2±0.3 26.0±0.15
4−φ3.2 +0.2/−0 φ24.0 +0.2/−0 26.0±0.1 26.0±0.1
Cut-out size
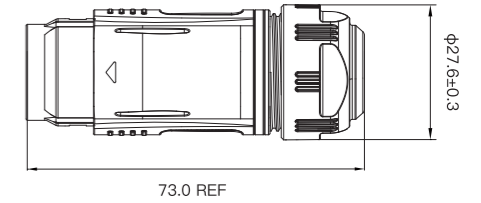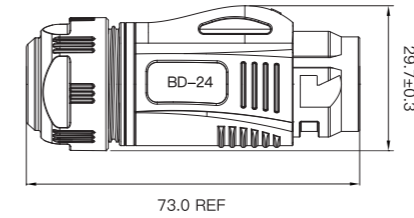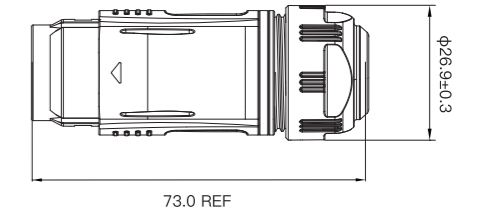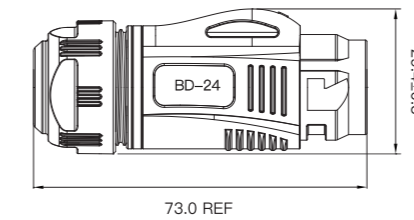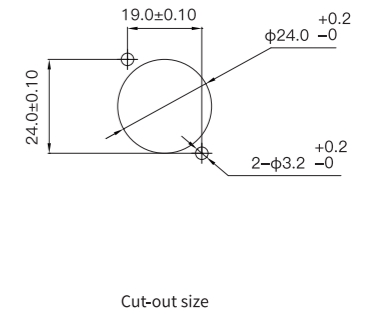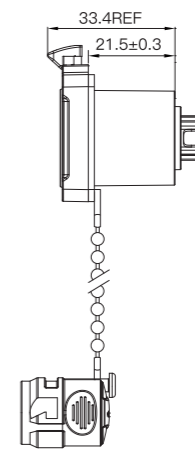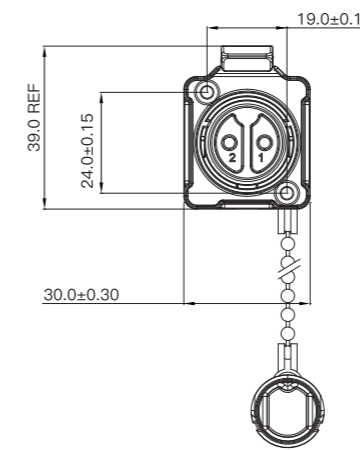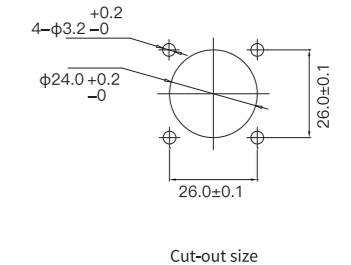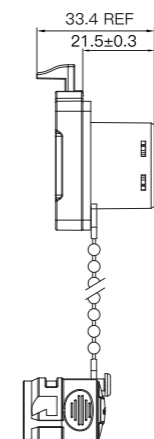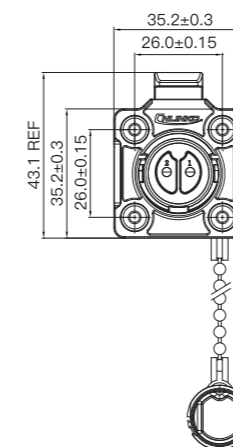
CNLINKO

DH SERIES
Metal circular
Waterproof Connector
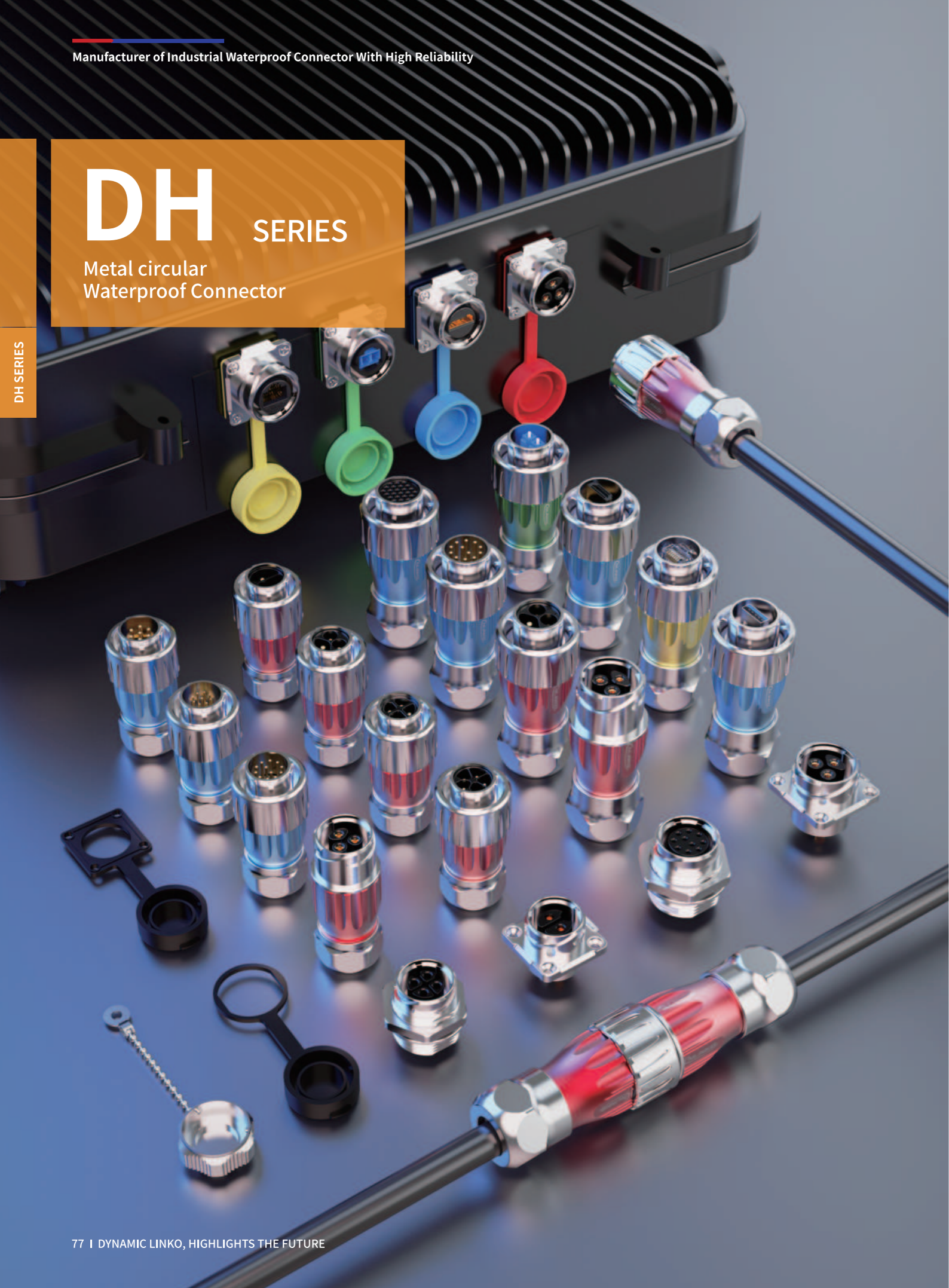
DH waterproof connector application type

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   Installation Video 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.
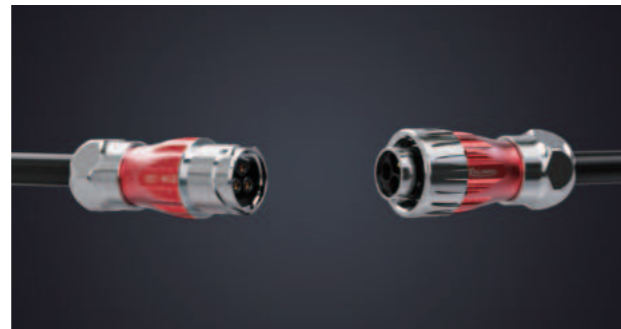
Secure connection and secure locking
—
With bayonet connection and three-point locking structure design, the retention force is large, and the connection is super stable.

Resistant to high temperature and severe cold
—
The DH series can adapt to the wide temperature environment of -40~+85°C, and fully meet the test of the outdoor climate environment.
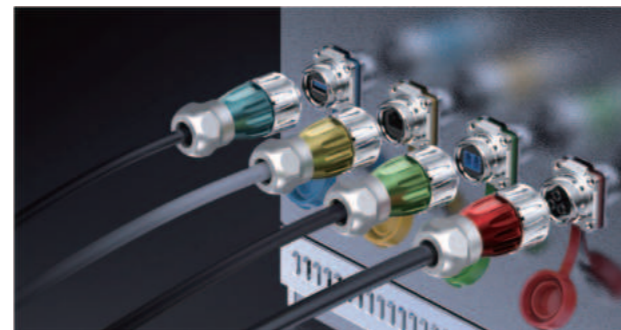
Visualize color distinction
—
Four colors to visually distinguish power, signal, fiber and data. Types can be identified at a glance to avoid mis-insertion.

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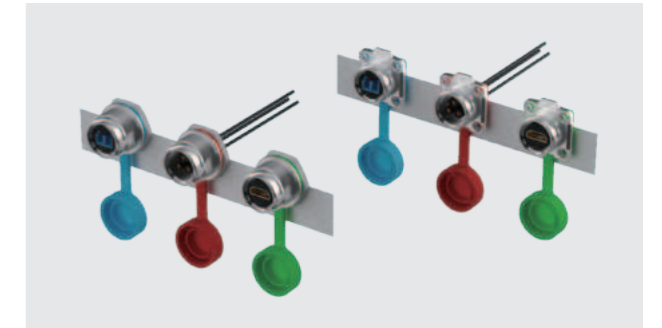
Flexible installation methods
—
The DH series has three installation methods: Straight receptacle, Flange receptacle, and Floating connector. Users can choose according to actual application scenarios.

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.

Shell Part

Locking Part

Module Part

Receptacle Part

Series Infographic

DH-20 Series Information Overview   P83

Product application type:	Power: 2/3/4 Pin
	Signal: 5/7/9/12/14 pin
	Voltage Rating: 300V（2~5、7pins）, 250V（8-pins hybrid、9、12、14pins） Current Rating: 20A（2~4pins）,20A+5A（8-pins hybrid）,10A+5A（5-pins hybrid）, 10A（5、7pins）, 5A（9、12、14pins）
Cable O.D:	Multi-pin type: Φ5.0~6.5mm、Φ6.5~8.5mm、Φ8.5~10.0mm、Φ10.0~12.0mm
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
	Voltage Rating: 500V（2、3、10、12pins）, 300V（2~4pins）, 250V（19、24pins）, 230V（3pins） Current Rating: 45A(3pins)、35A(2、3pins)、25A(2~4pins)、10A(10、12pins)、5A(19、24pins)	
Cable O.D:	Multi-pin type: Φ5.0~7.0mm、Φ7.0~10.5mm、Φ10.5~14.0mm	
	Data type: Φ5.0~Φ7.0mm（USB、HDMI）	
	Signal type：Φ5.0~Φ7.0mm（RJ45）, Φ5.0~Φ7.0mm（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

DH SERIES

DH20 Power/Signal

Product Series		DH-20				DH-20					
Pin Number		2PIN	3PIN	4PIN	5PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN
Contact Layout		Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female
Current Rating(A)		20	20	20	10	10/5	10	20/5	5	5	5
Voltage Rating(V)		300	300	300	300	300	300	250	250	250	250
Cable O.D(mm)		φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0	φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0		φ10.0～φ12.0	
Wire Gauge		2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/18~16AWG	1.0~1.5mm²/18~16AWG 0.34~0.5mm²/22~20AWG	1.0~1.5mm²/18~16AWG	2.5~4.0mm²/14~12AWG 0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG
Protection Level		Connection Status IP68				Connection Status IP68					
Terminal Type		Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	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-C05PE-03-0XXA	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-J05PE-03-0XXA	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-C05PP-03-0XXA	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-J05PP-03-0XXA	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-C05SX-03-1XXA	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-J05SX-03-1XXA	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-C05SX-03-4XXA	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-J05SX-03-4XXA	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)
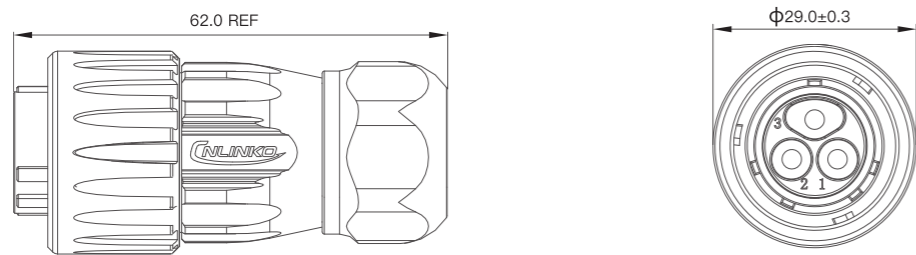
Plastic plug

62.0 REF

φ29.0±0.3

Single hole straight receptacle

28.5 ±0.3

27.2±0.3

8.5±0.3

32.6 ±0.3

85.0 REF

M25*P1.5

φ25.5 +0.2 −0

23.5 +0.2 −0

Cut-out size

In−line receptacle

64.5 REF

φ26.2±0.3

Four−hole flange receptacle

30.0±0.3

22.0±0.15

22.0±0.15

32.7±0.3

86.4 REF

25.0 ±0.3

10.1±0.3

22.0±0.1

22.0±0.1

4−φ3.2 +0.2 −0

φ20.4 +0.2 −0

Cut-out size
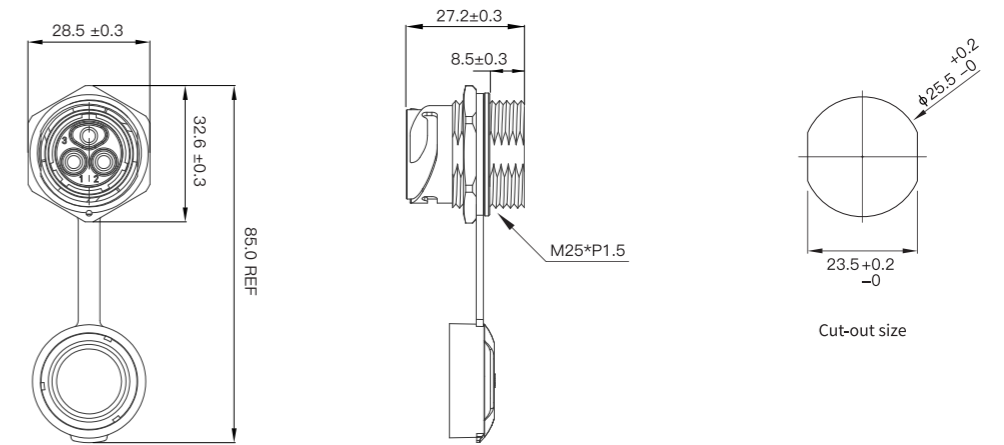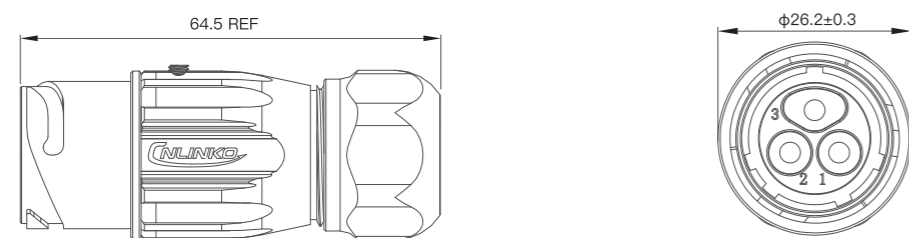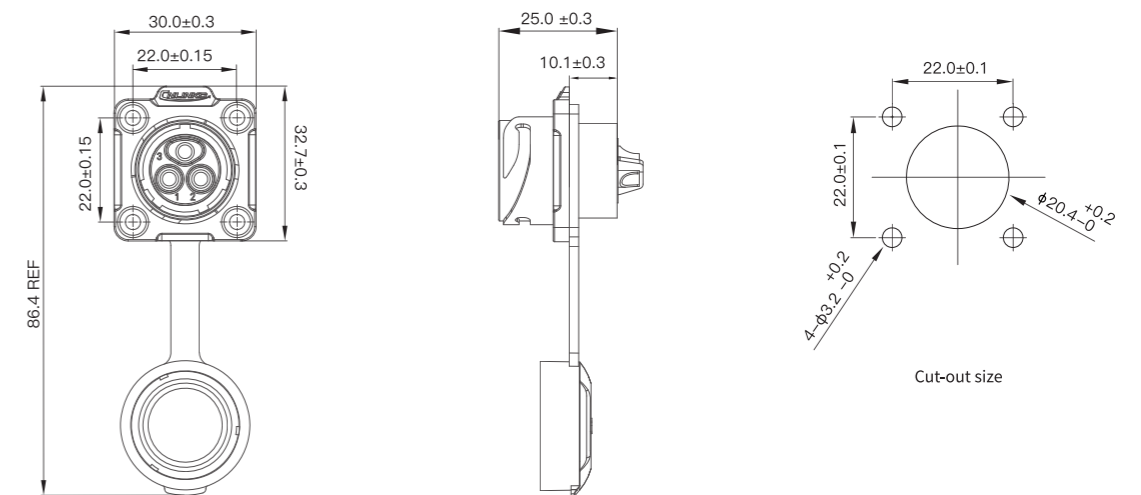
—o— DH-24 Datasheet

DH-24

DH SERIES

DH24 Power/Signal

Product Series		DH-24			DH-24						
Pin Number		2PIN	3PIN			3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45
Contact Layout		Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	
Current Rating(A)		25	35	25	35	45	25	10	10	5	5	1.5
Voltage Rating(V)		500	300	500	300	230	300	500	500	250	250	125
Cable O.D(mm)		φ5.0～φ7.0 φ7.0～φ10.5		φ10.5～φ14.0				φ5.0～φ7.0	φ7.0～φ10.5	φ10.5～φ14.0		
Wire Gauge		2.5~4.0mm²/14~12AWG	6.0~8.0mm²/10~8AWG	2.5~4.0mm²/14~12AWG	6.0~8.0mm²/10~8AWG	8(power cord)~10(single cord) mm²8~6AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	0.34~0.5mm²/ 22~20AWG	0.34~0.5mm²/ 22~20AWG	—
Protection Level		Connection Status IP68				Connection Status IP68						
Terminal Type		Soldering/Screwing	Soldering	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	CAT.3~CAT.6

Illustration	Material		Part No				Part No					
Plug	Metal	Male	DH-24-C02PE-03-0XX	DH-24-C02PE-03-035	DH-24-C03PE-03-0XX	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
		Female	DH-24-J02PE-03-0XX	DH-24-J02PE-03-035	DH-24-J03PE-03-0XX	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	—
Single hole straight receptacle		Male	DH-24-C02PP-03-0XX	DH-24-C02PP-03-035	DH-24-C03PP-03-0XX	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-03-0XX	DH-24-J02PP-03-035	DH-24-J03PP-03-0XX	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	—
Two-hole flange receptacle		Male	DH-24-C02SX-03-1XX	DH-24-C02SX-03-135	DH-24-C03SX-03-103	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-03-1XX	DH-24-J02SX-03-135	DH-24-J03SX-03-103	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-43-1XX
Four-hole flange receptacle		Male	DH-24-C02SX-03-4XX	DH-24-C02SX-03-435	DH-24-C03SX-03-405	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-03-4XX	DH-24-J02SX-03-435	DH-24-J03SX-03-407	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 Dimension Drawing (unit: mm)

DH24 Power/Signal

Product Series	DH-24				
Pin Number	USB2.0	USB3.0	HDMI2.0	HDMI2.1	Optical fiber
Contact Layout					
Current Rating(A)	1.5	1.8	0.5	0.5	—
Voltage Rating(V)	5	5	5	5	—
Cable O.D(mm)	φ5.0～φ7.0		φ7.0～φ10.5	φ10.5～φ14.0	
Wire Gauge	—	—	—	—	—
Protection Level	Connection Status IP68				
Terminal Type	480 Mbps	5.0 Gbps	18 Gbps	48 Gbps	plug-in loss≤0.35dB return loss≥50dB

Illustration	Material	Part No				
Plug	Metal	Male	DH24-USB3-MP-MP-1M-001	DH24-USB3-MP-MP-1M-001	DH24-HDMI-MP-MP-1M-001	DH24-HDMI-MP-MP-1M-003	DH-24-C/LC/015/PE-43-003 DH-24-C/LC/015/PE-43-002
		Female	—	—	—		—
Single hole straight receptacle		Male	—	—	—		—
		Female	—	—	—		—
Two-hole flange receptacle		Male	—	—	—		—
		Female	DH-24-J/USB2/213/SX-43-101	DH-24-J/USB3/213/SX-43-104	DH-24-J/HDMI2/213/SX-43-102	DH-24-J/HDMI21/213/SX-43-1xx	DH-24-J/LC/213/SX-43-102 DH-24-J/LC/213/SX-43-101
Four-hole flange receptacle		Male	—	—	—		—
		Female	DH-24-J/USB2/213/SX-43-401A	DH-24-J/USB3/213/SX-43-402	DH-24-J/HDMI2/213/SX-43-402	DH-24-J/HDMI21/213/SX-43-401	DH-24-J/LC/213/SX-43-403 DH-24-J/LC/213/SX-43-401

plug

78.4 REF   φ33.5±0.3

In-line receptacle

76.8 REF   φ31.2±0.3

Single hole straight receptacle

35.8±0.3   32.9±0.3   10.0±0.3   φ30.5 +0.2 −0   41.1±0.3   99.0 REF   M30*P2.0   27.4 +0.2 −0   Cut-out size

Four-hole flange receptacle

33.0±0.3   26.0±0.15   29.6   13.5±0.3   4-φ3.2 +0.2 −0.0   φ24.0 +0.2 −0.0   26.0±0.15   33.0±0.3   35.7   98.2 REF   26.0±0.1   Cut-out size
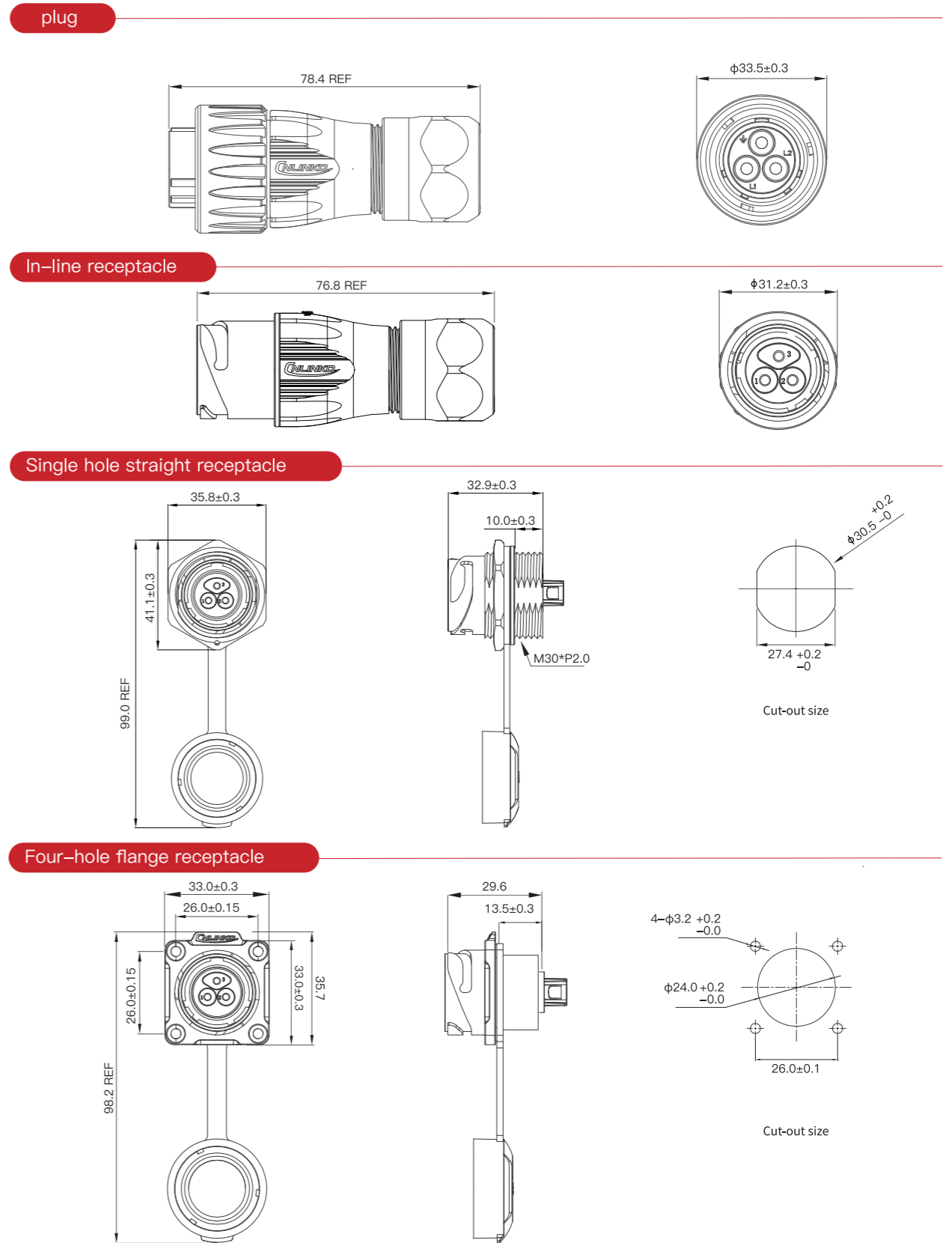
EV SERIES

Quick Plug Plastic Waterproof Connector

EV SERIES

EV SERIES

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	
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.
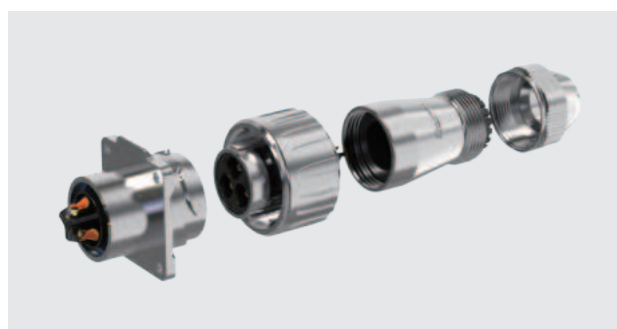
CNLINKO

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.

EV SERIES

Series Infographic
—
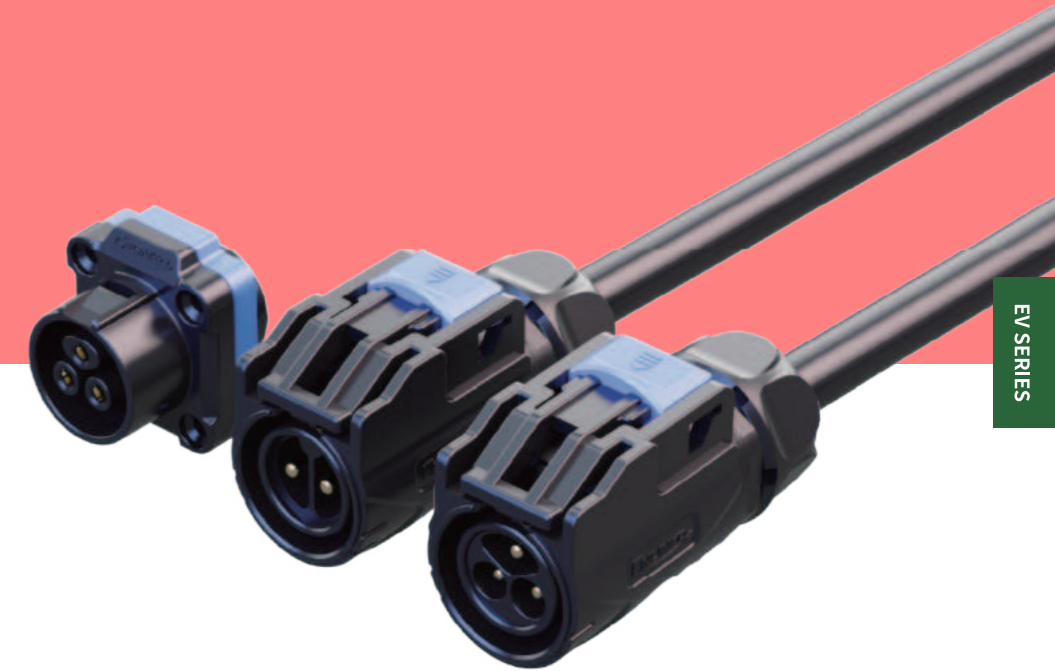
EV-20 Series Information Overview		P95
Product application type:	Power: 2/3 Pin	
	Voltage Rating: 500V（2、3pins） Current Rating:20A（2、3pins）	
Cable O.D:	Multi-pin type: φ5.0～φ6.5mm、φ6.5～φ8.5mm、φ8.5～φ10.0mm、φ10.0～φ12.0mm	
Details page:	Product Parameter Map: P95	Dimension Drawing: P96

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 Datasheet

EV-20

EV20
Power

Product Series	EV-20	
Pin Number	2PIN	3PIN
Contact Layout	Male Female	Male Female
Current Rating(A)	20	20
Voltage Rating(V)	500	500
Cable O.D(mm)	φ5.0～φ6.5 φ6.5～φ8.5	φ8.5～φ10.0 φ10.0～φ12.0
Wire Gauge	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG
Protection Level	Connection Status IP67	
Terminal Type	Crimping	Crimping

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

63.9 REF
37.5 REF
28.0±0.3

Four-hole flange receptacle

30.0 ±0.3
22.0±0.15
32.8 ±0.3
22.0±0.15
32.2 REF
8.1 REF
13.7 REF
22.0±0.1
22.0±0.1
4–φ3.2 +0.2/–0
φ20.0 +0.2/–0
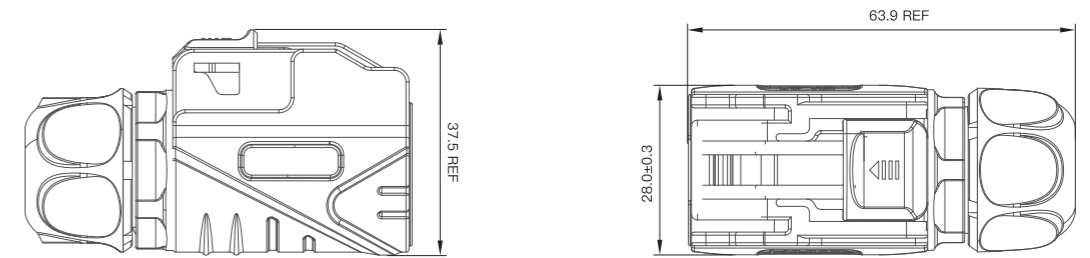
Cut-out size
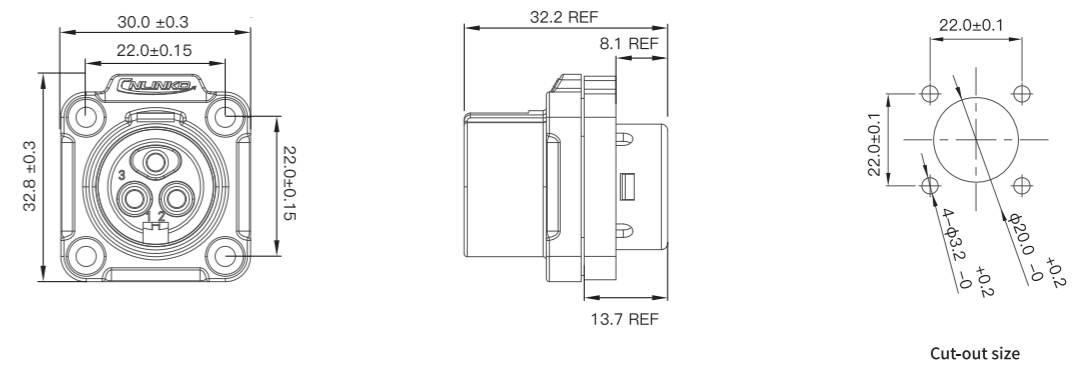
DZ

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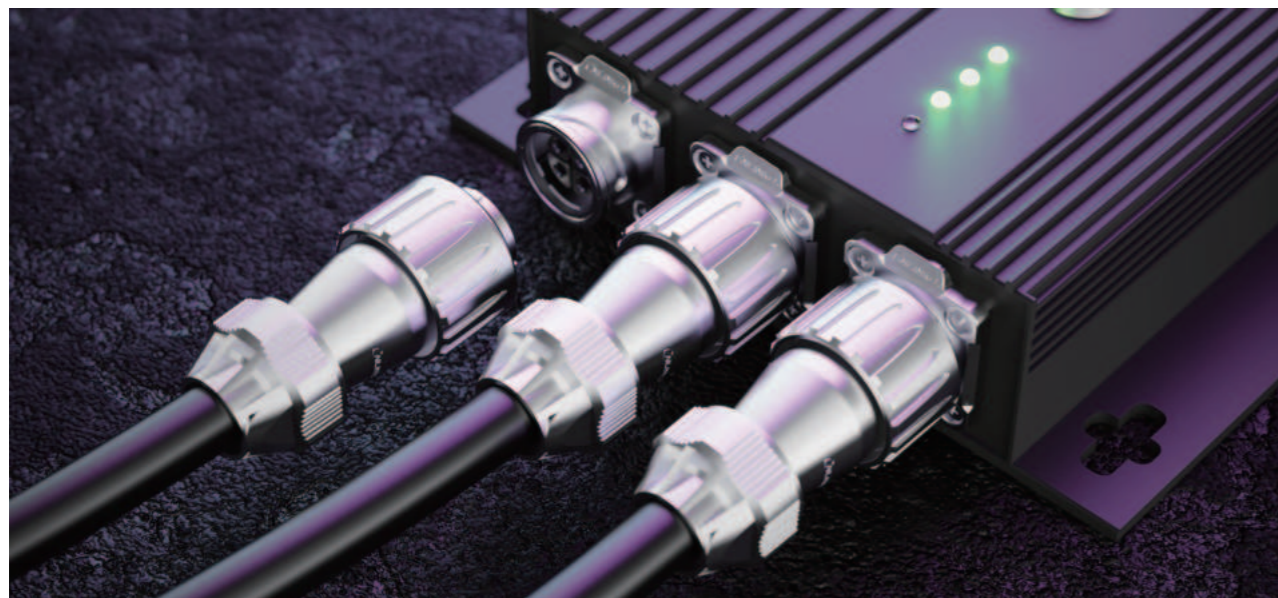
DZ-24 series are used in a monitoring equipment control box

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-20 Series Information Overview   P101

Product application type:	Power: 2/3/4 pin
	Signal: 5/7/9/12/14 pin
	Voltage Rating: 300V (2~5、7pins) ,250V (8-pins hybrid、9、12、14pins) Current Rating:20A (2~4pins) ,20A+5A (8-pins hybrid) ,10A (5、7pins) , 10A+5A (5-pins hybrid) , 5A (9、12、14pins)
Cable O.D:	Multi-pin type: Φ5.0~6.5mm、Φ6.5~8.5mm、Φ8.5~10.0mm、Φ10.0~12.0mm
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
	Voltage Rating: 500V (2~4pins) , 400V (10、12pins) , 300V (2、3pins) , 250V (19、24pins) , 230V (3pins) Current Rating: 45A(3pins), 35A(2、3pins), 25A(2~4pins), 10A(10、12pins), 5A(19、24pins)
Cable O.D:	Multi-pin type: Φ5.0~6.5mm、Φ6.5~8.5mm、Φ8.5~10.0mm、Φ10.0~12.0mm
	Data type: Φ5.0~6.5mm (USB、HDMI) Signal type:Φ5.0~6.5mm (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 SERIES

DZ-20 Datasheet

DZ-20

Product Series		DZ-20				DZ-20					
Pin Number		2PIN	3PIN	4PIN	5PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN
Contact Layout		Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female
Current Rating(A)		20	20	20	10	10/5	10	20/5	5	5	5
Voltage Rating(V)		300	300	300	300	300	300	250	250	250	250
Cable O.D(mm)		φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0		φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0	
Wire Gauge		2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG 0.34~0.5mm²/22~20AWG	1.0~1.5mm²/ 18~16AWG	2.5~4.0mm²/14~12AWG 0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG
Protection Level		Connection Status IP67				Connection Status IP67					
Terminal Type		Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	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–C05PE–03–0xxA	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–J05PE–03–0xxA	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–03–0xxA	DH–20–C03PP–03–0xxA	DH–20–C04PP–03–0xxA	DH–20–C05PP–03–0xxA	DH–20–C05PP–03–0xxA	DH–20–C07PP–03–0xxA	DH–20–C08PP–03–0xxA	DH–20–C09PP–03–0xxA	DH–20–C12PP–03–0xxA	DH–20–C14PP–03–0xxA
		Female	DH–20–J02PP–03–0xxA	DH–20–J03PP–03–0xxA	DH–20–J04PP–03–0xxA	DH–20–J05PP–03–0xxA	DH–20–J05PP–03–0xxA	DH–20–J07PP–03–0xxA	DH–20–J08PP–03–0xxA	DH–20–J09PP–03–0xxA	DH–20–J12PP–03–0xxA	DH–20–J14PP–03–0xxA
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–C05SX–03–1xxA	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–J05SX–03–1xxA	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–03–402A	DH–20–C03SX–03–402A	DH–20–C04SX–03–402A	DH–20–C05SX–03–4xxA	DH–20–C05SX–03–4xxA	DH–20–C07SX–03–402A	DH–20–C08SX–03–4xxA	DH–20–C09SX–03–402A	DH–20–C12SX–03–402A	DH–20–C14SX–03–402A
		Female	DH–20–J02SX–03–402A	DH–20–J03SX–03–4012A	DH–20–J04SX–03–402A	DH–20–J05SX–03–402A	DH–20–J05SX–03–4xxA	DH–20–J07SX–03–402A	DH–20–J08SX–03–402A	DH–20–J09SX–03–402A	DH–20–J12SX–03–402A	DH–20–J14SX–03–402A

DZ20 Power/Signal

DZ SERIES

DZ-20 Dimension Drawing (unit: mm)

Plug

66.3 REF

φ 29.0 ±0.3

φ 29.0 ±0.3

Four-hole flange receptacle

30.0±0.3

22.0±0.15

22.0±0.15

32.7±0.3

86.4 REF

25.0 ±0.3

10.1±0.3

22.0±0.1

22.0±0.1

4-φ3.2 ⁺⁰·²₋₀

φ 20.4 ⁺⁰·²₋₀

Cut-out size

Single hole straight receptacle

28.5 ±0.3

32.6 ±0.3

85.0 REF

27.2±0.3

8.5±0.3

M25*P1.5

φ25.5 ⁺⁰·²₋₀

23.5 ⁺⁰·²₋₀
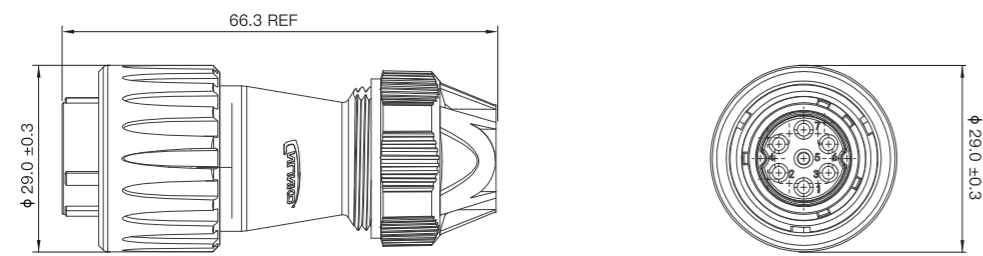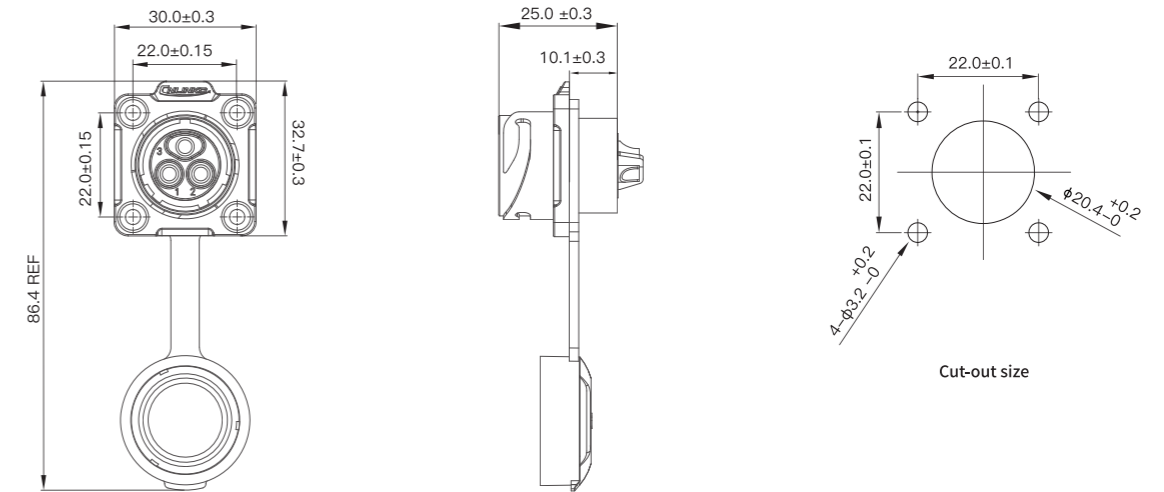
Cut-out size
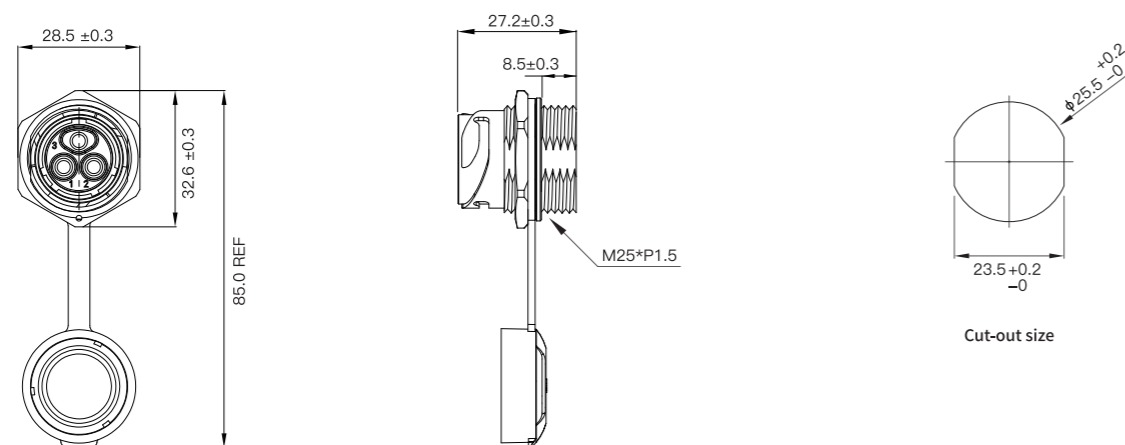
DZ SERIES

DZ SERIES

DZ-24 Datasheet

DZ SERIES

DZ24 Power/Signal

Product Series	DZ-24				DZ-24						
Pin Number	2PIN	3PIN			3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45
Contact Layout	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	
Current Rating(A)	25	35	25	35	45	25	10	10	5	5	1.5
Voltage Rating(V)	500	300	500	300	230	500	400	400	250	250	125
Cable O.D(mm)	φ5.0～φ7.0　　φ7.0～φ10.5　　φ10.5～φ14.0						φ5.0～φ7.0	φ7.0～φ10.5	φ10.5～φ14.0		
Wire Gauge	2.5~4.0mm²/14~12AWG	6.0~8.0mm²/10~8AWG	2.5~4.0mm²/14~12AWG	6.0~8.0mm²/10~8AWG	8(power cord)~10(single cord) mm²8~6AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG	0.34~0.5mm²/ 22~20AWG	0.34~0.5mm²/ 22~20AWG	—
Protection Level	Connection Status IP67				Connection Status IP67						
Terminal Type	Soldering/Screwing	Soldering	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	CAT.3~CAT.6

Illustration	Material		Part No				Part No					
Plug	Metal	Male	DZ-24-C02PE-03-001	DZ-24-C02PE-03-035	DZ-24-C03PE-03-001	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
		Female	DZ-24-J02PE-03-001	DZ-24-J02PE-03-035	DZ-24-J02...	DZ-24-J03...	DZ-24-J03PE-03-050	DZ-24-J04PE-03-001	DH-24-C10PP-03-0xxA	DZ-24-J12PE-03-001A	DZ-24-J19PE-03-001...	...-03-001A	
In-line receptacle		Male	DH-24-C02PP-03-0XX	DH-24-C02PP-03-0xx	DH-24-C02PP-03-0XX	DH-24-C03PP-03-0xx	DH-24-C03PP-03-0xx	DH-24-C04PP-03-0xx	DH-24-C10PP-03-0xx	DH-24-C12PP-03-0xxA	DH-24-C19PP-03-0xxA	DH-24-C24PP-03-0xxA	—
		Female	DH-24-J02PP-03-0XX	DH-24-J02PP-03-0xx	DH-24-J02PP-03-0XX	DH-24-J03PP-03-0xx	DH-24-J03PP-03-0xx	DH-24-J04PP-03-0xx	DH-24-J10PP-03-0xxA	DH-24-J12PP-03-0xxA	DH-24-J19PP-03-0xxA	DH-24-J24PP-03-0xxA	—
Single hole s...receptacle		Male	DH-24-C02SX-03-1XX	DH-24-C02SX-03-1xx	DH-24-C0...	DH-24-...	DH-24-C03SX-03-1...	...-24-C04SX-03-102...	...-C10SX-03-1xxA	DH-24-C12SX-03-1xxA	DH-24-C19SX-03-1xx...	...SX-03-1xxA	
		Female	DH-24-J02SX-03-1XX	DH-24-J02SX-03-1xx	DH-24-J02SX-03-1XX	DH-24-J03SX-03-1xx	DH-24-J03SX-03-1xx	DH-24-J04SX-03-1xx	DH-24-J10SX-03-1xxA	DH-24-J12SX-03-1xxA	DH-24-J19SX-03-1xxA	DH-24-J24SX-03-102A	DH-24-J/RJ45/ 213/SX-43-1xx
Four-hole flange receptacle		Male	DH-24-C02SX-03-4XX	DH-24-C02SX-03-4xx	DH-24-C02SX-03-4XX	DH-24-C03SX-03-4xx	DH-24-C03SX-03-4xx	DH-24-C04SX-03-402	DH-24-C10SX-03-4xxA	DH-24-C12SX-03-404A	DH-24-C19SX-03-4xxA	DH-24-C24SX-03-4xxA	—
		Female	DH-24-J02SX-03-4XX	DH-24-J02SX-03-4xx	DH-24-J02...-4XX	DH-24-J...-4xx	DH-24-J03SX-03-4xx	DH-24-J04SX-03-4xx	DH-24-J10SX-03-402A	DH-24-J12SX-03-401A	DH-24-J19SX-03-40...	...24-J24SX-03-402A	DH-24-J/RJ45/ 213/SX-43-409

DZ-24 Dimension Drawing (unit: mm)

Product Series		DZ-24				
Pin Number		USB2.0	USB3.0	HDMI2.0	HDMI2.1	Optical fiber
DZ24 Power/Signal	Contact Layout					
	Current Rating(A)	1.5	1.8	0.5	0.5	—
	Voltage Rating(V)	5	5	5	5	—
	Cable O.D(mm)		φ5.0～φ7.0	φ7.0～φ10.5	φ10.5～φ14.0	
	Wire Gauge	—	—	—	—	—
	Protection Level		Connection Status IP67			
	Terminal Type	480 Mbps	5.0 Gbps	18 Gbps	48 Gbps	plug-in loss≤0.35dB return loss≥50dB

Illustration	Material	Part No				
Plug	Metal	Male	DZ-24-C/USB2/016/PE-43-001	DZ-24-C/USB3/016/PE-43-001	DZ-24-C/HDMI2/016/PE-43-001	DZ-24-C/HDMI2/016/PE-43-001	DZ-24-C/LC/016/PE-43-002 DZ-24-C/LC/016/PE-43-001
		Female	—	—	—	—	—
In-line receptacle		Male	—	—	—	—	—
		Female	—	—	—	—	—
Single hole straight receptacle		Male	—	—	—	—	—
		Female	DH-24-J/USB2/213/SX-43-1xx	DH-24-J/USB3/213/SX-43-1xx	DH-24-J/HDMI2/213/SX-43-102	DH-24-J/HDMI21/213/SX-43-101	DH-24-J/LC/213/SX-43-1XX DH-24-J/LC/213/SX-43-1XX
Four-hole flange receptacle		Male	—	—	—	—	—
		Female	DH-24-J/USB2/213/SX-43-402A	DH-24-J/USB3/213/SX-43-402A	DH-24-J/HDMI2/213/SX-43-403	DH-24-J/HDMI21/213/SX-43-4xx	DH-24-J/LC/213/SX-43-404 DH-24-J/LC/213/SX-43-402

Plug

72.5REF

φ 33.5 ±0.3

φ 33.5 ±0.3

Single hole straight receptacle

35.8±0.3

41.1±0.3

99.0 REF

32.9±0.3

10.0±0.3

M30*P2.0

φ30.5 +0.2 -0

27.4 +0.2 -0

Cut-out size

Four-hole flange receptacle

33.0±0.3

26.0±0.15

26.0±0.15

98.2 REF

33.0±0.3

35.7±0.3

29.6±0.3

13.5±0.3

4-φ3.2 +0.2 -0.0

φ24.0 +0.2 -0.0

26.0±0.1
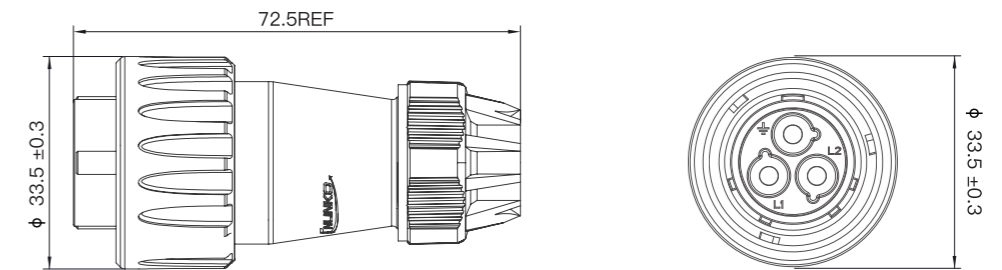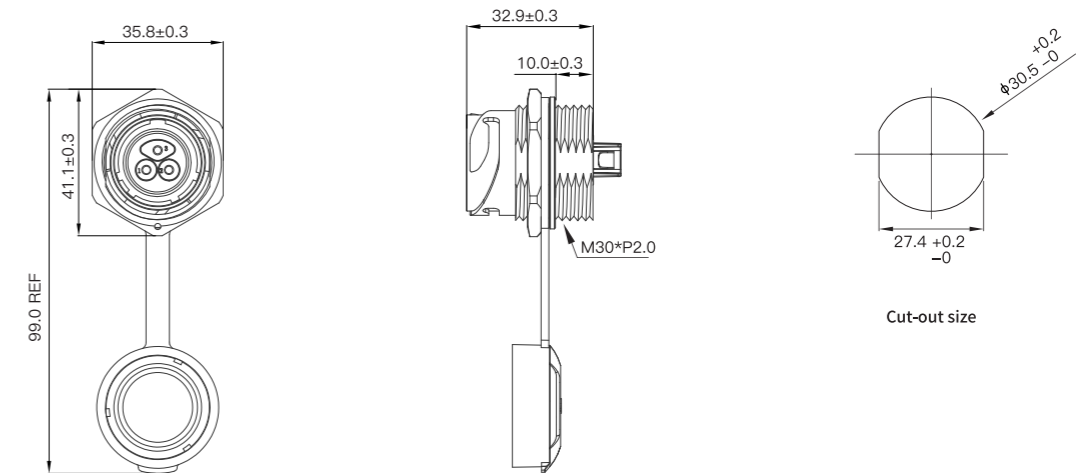
Cut-out size
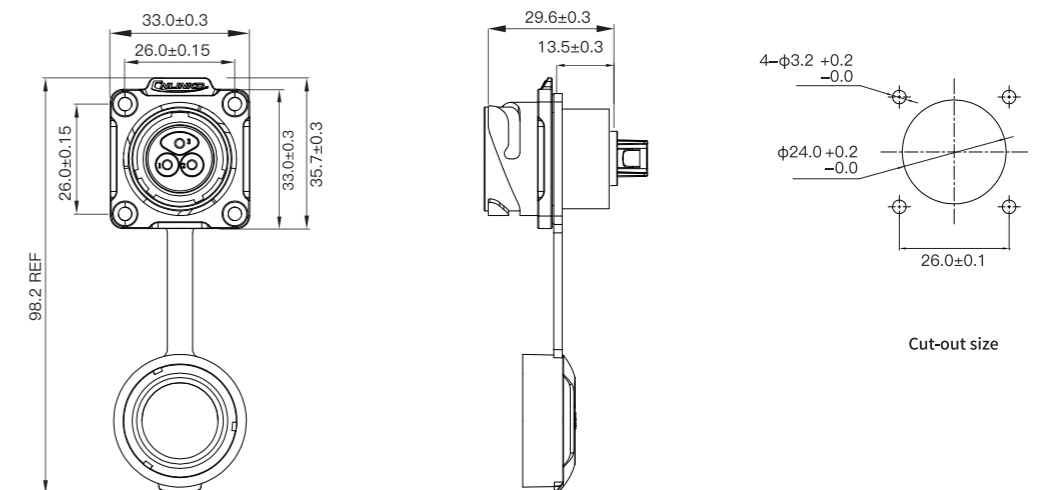
YA SERIES

Cap Self-locking
Waterproof Connector

YA SERIES

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
—
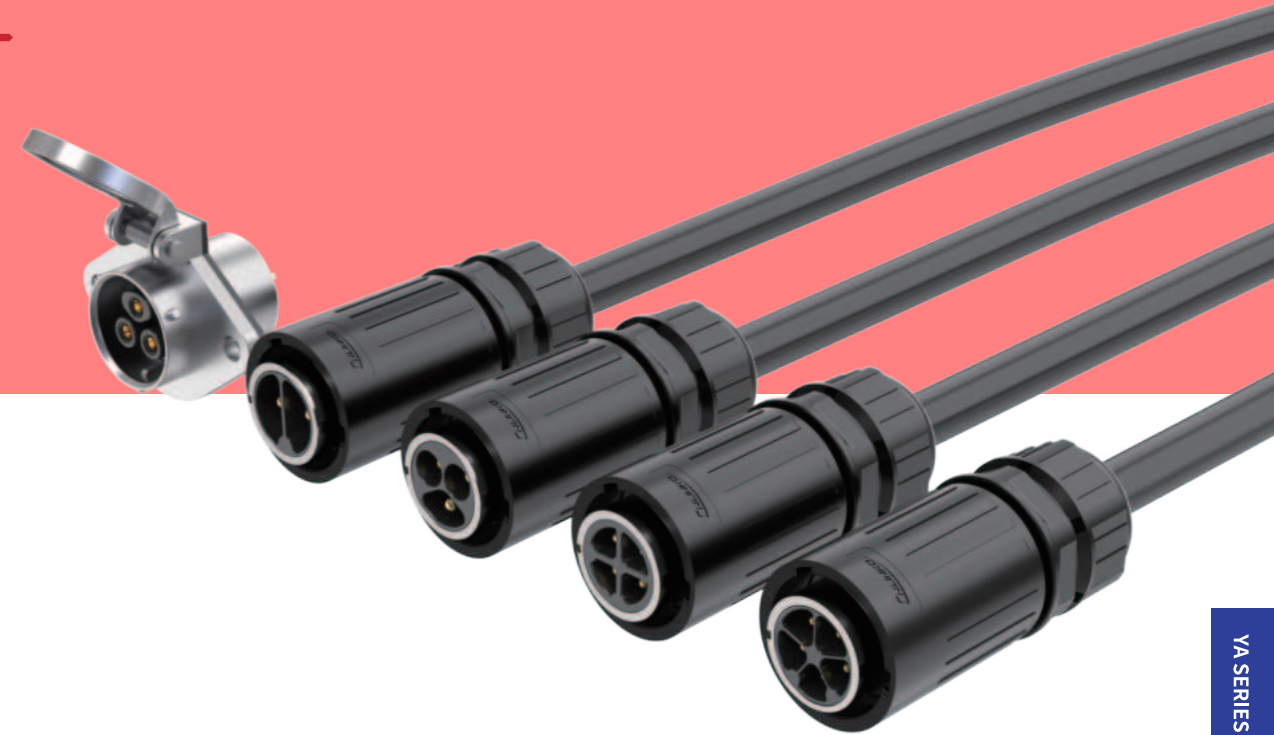
YA-20 Series Information Overview   P113

Product application type:	Power: 2/3/4 Pin
	Signal: 5/7/9/12/14 Pin
	Voltage Rating: 500V (2~5、7pins) ,300V (5pins) ,250V (8-pins hybrid、9、12、14pins) Current Rating: 20A(2~4pins) ,20A+5A (8-pins hybrid) ,10A (5、7pins) , 10A+5A (5-pins hybrid) ,5A (9、12、14pins)
Cable O.D:	Multi-pin type: Φ5.0~6.5mm，Φ6.5~8.5mm，Φ8.5~10.0mm，Φ10.0~12.0mm
	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.

CNLINKO

YA-20

⊸ YA-20 Datasheet

YA20 Power/Signal

Product Series		YA-20				YA-20					
Pin Number		2PIN	3PIN	4PIN	5PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN
Contact Layout		Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female
Current Rating(A)		20	20	20	10	10/5	10	20/5	5	5	5
Voltage Rating(V)		500	500	500	500	300	500	250	250	250	250
Cable O.D(mm)		φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0		φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0	
Wire Gauge		2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG 0.34~0.5mm²/22~20AWG	1.0~1.5mm²/ 18~16AWG	2.5~4.0mm²/14~12AWG 0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG
Protection Level			Connection Status IP67				Connection Status IP67				
Terminal Type		Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering

Illustration	Material		Part No				Part No					
Plastic plug	Metal + Plastic	Male	YA–20–C02PE–01–001A	YA–20–C03PE–01–001A	YA–20–C04PE–01–001A	YA–20–C05PE–01–001A	YA–20–C05PE–01–0XX	YA–20–C07PE–01–001A	YA–20–C08PE–01–0XX	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–J05PE–01–0XX	YA–20–J07PE–01–001A	YA–20–J08PE–01–0XX	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–C05PE–03–0XX	YA–20–C07PE–03–001A	YA–20–C08PE–03–0XX	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–J05PE–03–001	YA–20–J07PE–03–001A	YA–20–J08PE–03–0XX	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–C05SX–03–251	YA–20–C07SX–03–201A	YA–20–C08SX–03–2XX	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–J05SX–03–2XX	YA–20–J07SX–03–201A	YA–20–J08SX–03–2XX	YA–20–J09SX–03–201A	YA–20–J12SX–03–201A	YA–20–J14SX–03–201A

⊸ YA-20 Dimension Drawing (unit: mm)

Plug

63.0 REF
φ26.8 REF
φ26.8±0.3

Receptacle

44.0±0.3
38.1 REF
35.0±0.15

47.3 REF
13.7 ±0.3
25.0±0.3

Cut-out size
φ20.5 ⁺⁰·²₋₀
2-φ4.5 ⁺⁰·²₋₀
35.0±0.1
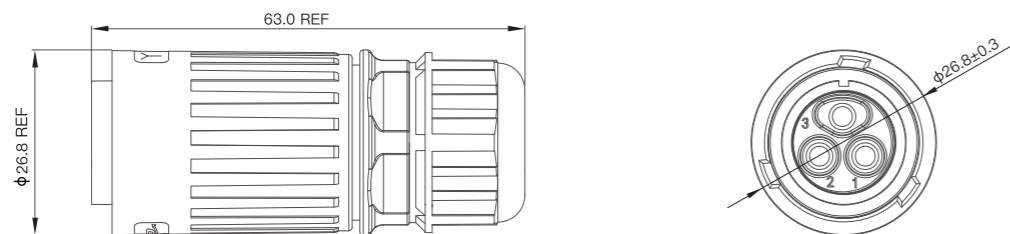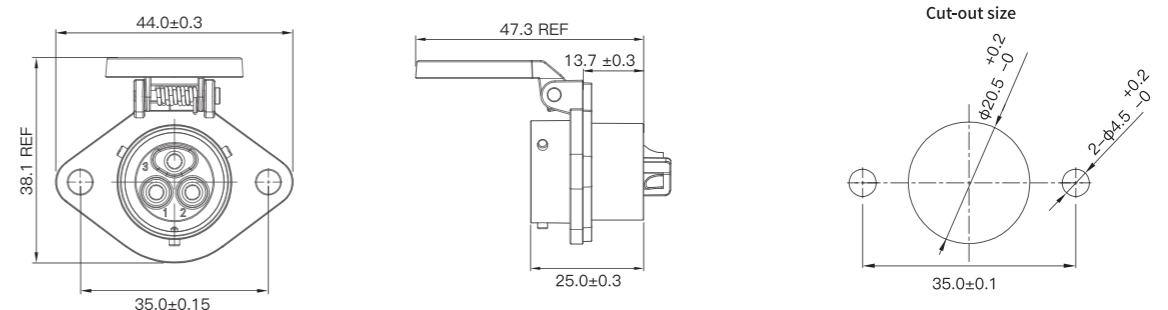
YZ SERIES

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

CNLINKO

Applications

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

Features Overview
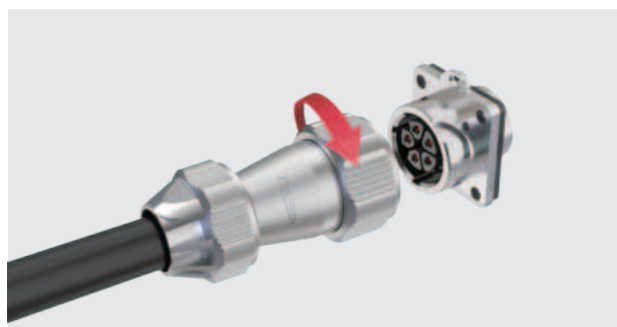
Bayonet Design

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.
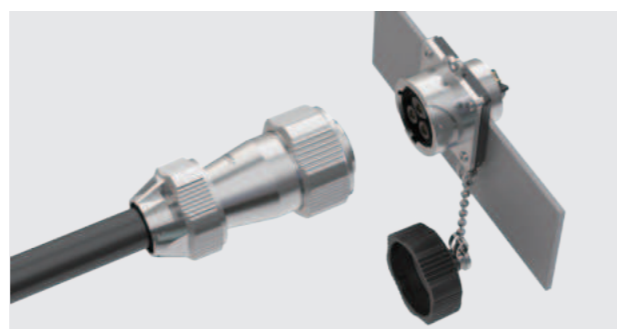
Installation method

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

Series Infographic

—
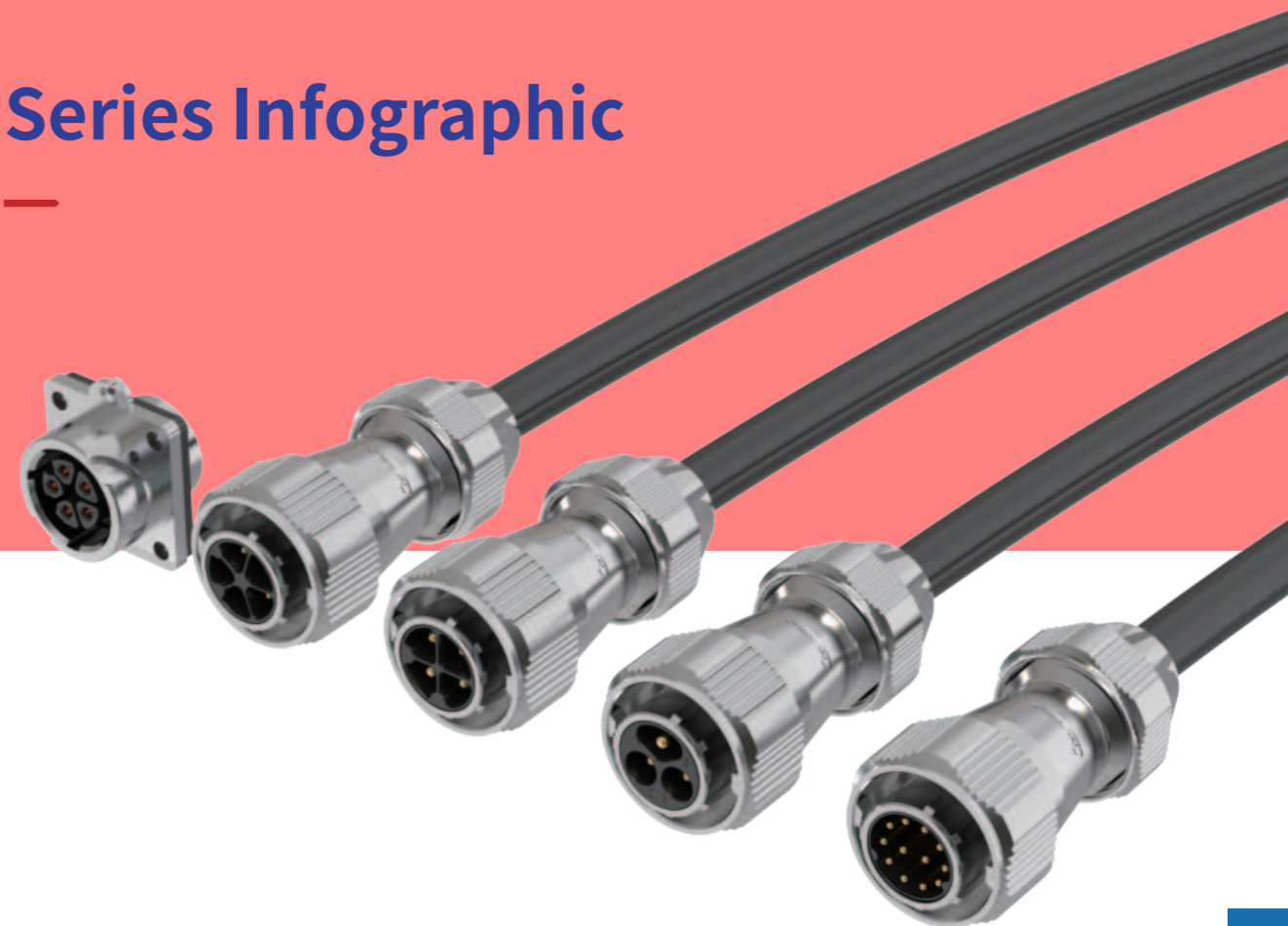
YZ-20 Series Information Overview		P119
Product application type:	Power: 2/3/4 pin	
	Signal: 5/7/9/12/14 pin	
	Voltage Rating: 300V (2~5、7pins) ,250V (8-pins hybrid、9、12、14pins) Current Rating: 20A(2~4pins) ,20A+5A (8-pins hybrid) ,10A (5、7pins) , 10A+5A (5-pins hybrid) ,5A (9、12、14pins)	
Cable O.D:	Multi-pin type: Φ5.0~6.5mm，Φ6.5~8.5mm，Φ8.5~10.0mm，Φ10.0~12.0mm	
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 Datasheet

Product Series		YZ-20				YZ-20					
Pin Number		2PIN	3PIN	4PIN	5PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN
Contact Layout		Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female	Male Female
Current Rating(A)		20	20	20	10	10/5	10	20/5	5	5	5
Voltage Rating(V)		300	300	300	300	300	300	250	250	250	250
Cable O.D(mm)		φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0		φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0	
Wire Gauge		2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG 0.34~0.5mm²/22~20AWG	1.0~1.5mm²/ 18~16AWG	2.5~4.0mm²/14~12AWG 0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG
Protection Level		Connection Status IP67				Connection Status IP67					
Terminal Type		Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering

Illustration	Material	Part No				Part No					
Plug **Four-hole flange receptacle**	Metal	Male	YZ–20–C02PE–03–001A	YZ–20–C03PE–03–001A	YZ–20–C04PE–03–001A	YZ–20–C05PE–03–001A	YZ–20–C05PE–03–xxxx	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–J05PE–03–xxxx	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
		Male	YZ–20–C02SX–03–401A	YZ–20–C03SX–03–401A	YZ–20–C04SX–03–401A	YZ–20–C05SX–03–401A	YZ–20–C05SX–03–xxxx	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–J05SX–03–xxxx	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

YZ20 Power/Signal

YZ-20 Dimension Drawing (unit: mm)

Plug

60.5 REF

φ29.8±0.3

Four-hole flange receptacle

23.3±0.3

10.4±0.3

29.0±0.3
22.0±0.15
32.6±0.3
29.0±0.3
22.0±0.15

4-φ3.2 +0.2 -0

Cut-out size

22.0±0.1

22.0±0.1

φ20.0 +0.2 -0
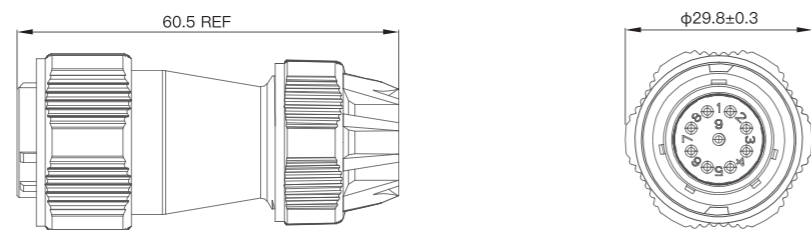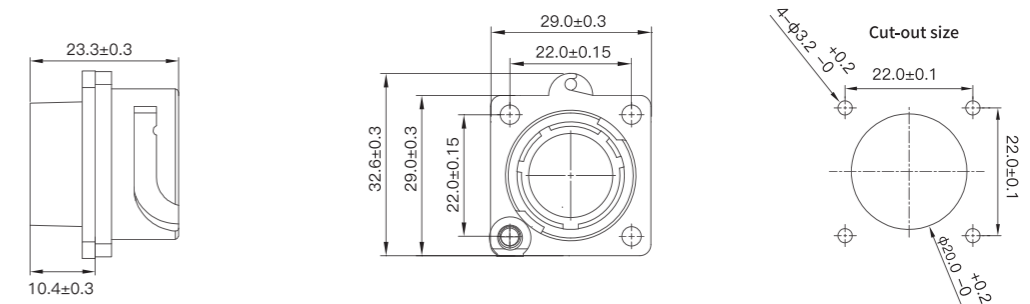
YW SERIES

YW 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

CNLINKO

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.
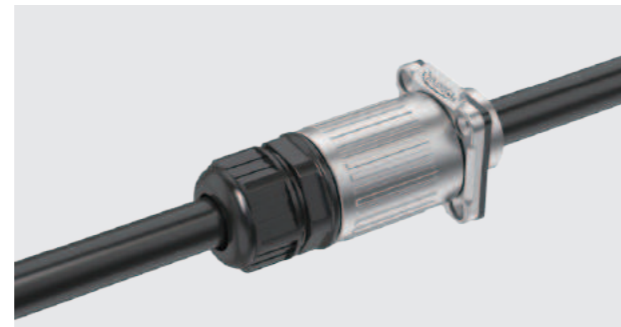
Electromagnetic and Radio Frequency Interference Protection
—

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.
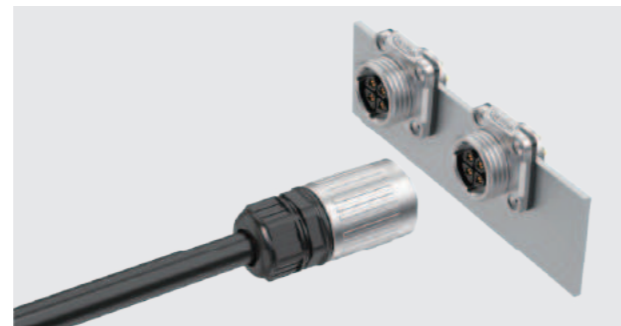
Installation method
—

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.

YW SERIES

Series Infographic
—
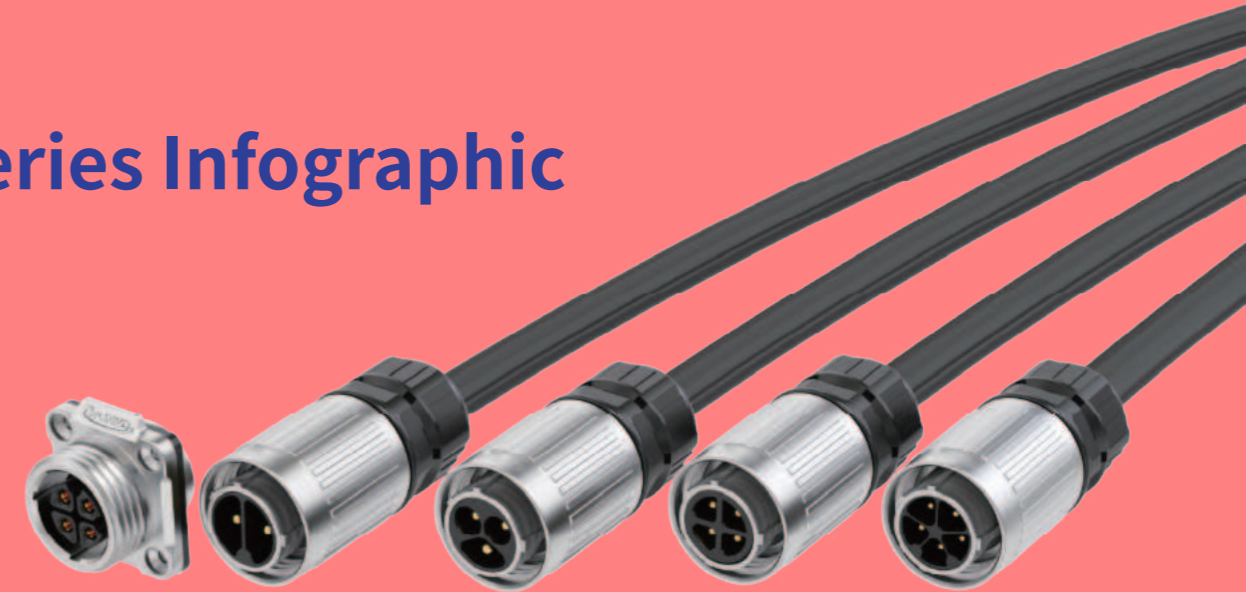
YW-16 Series Information Overview		P125
Product application type:	Power: 3 pin	
	Signal: 9 pin	
	Voltage Rating: 400V (3pins) , 250V (9pins) Current Rating: 10A (3pins) , 5A (9pins)	
Cable O.D:	Multi-pin type: Φ3.0~5.0mm、Φ5.0~7.0mm、Φ7.0~9.0mm	
Details page:	Product Parameter Map: P125	Dimension Drawing: P126

YW-20 Series Information Overview		P127
Product application type:	Power: 2/3/4 pin	
	Signal: 5/7/9/12/14 pin	
	Voltage Rating: 500V (2~5、7pins) , 250V (8-pins hybrid、9、12、14pins) Current Rating: 20A(2~4pins) , 10A (5、7pins) , 20A+5A (8-pins hybrid) , 5A (9、12、14pins)	
Cable O.D:	Multi-pin type: Φ5.0~6.5mm、Φ6.5~8.5mm、Φ8.5~10.0mm、Φ10.0~12.0mm	
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 SERIES

YW-16

YW-16 Datasheet

Product Series	YW-16	
Pin Number	3PIN	9PIN
Contact Layout	Male Female	Male Female
Current Rating(A)	10	5
Voltage Rating(V)	400	250
Cable O.D(mm)	φ3.0～φ5.0 φ5.0～φ7.0	φ7.0～φ9.0
Wire Gauge	1.0~1.5mm²/ 18~16AWG	0.34~0.5mm²/22~20AWG
Protection Level	Connection Status IP67	
Terminal Type	Soldering/Screwing	Soldering

YW16 Power/Signal

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–03–101	YW–16–C09SX–03–101
		Female	YW–16–J03SX–03–101	YW–16–J09SX–03–101
Single hole straight receptacle		Male	YW–16–C03SX–03–401	YW–16–C09SX–03–401
		Female	YW–16–J03SX–03–401	YW–16–J09SX–03–401

YW-16 Dimension Drawing (unit: mm)

Plug

53.2 REF
φ24.8±0.3

Single hole straight receptacle

29.0±0.3
23.0±0.3
135RFF
22.2±0.3
10.8±0.3
16.2±0.2
φ18.0 ₊0.2
Cut-out size

Four-hole flange receptacle

26.3 ±0.3
19.8 ±0.15
26.3 ±0.3
19.8 ±0.15
145 REF
22.2 ±0.3
10.8 ±0.3
19.8±0.1
19.8±0.1
φ17.0 ₊0.2
Cut-out size
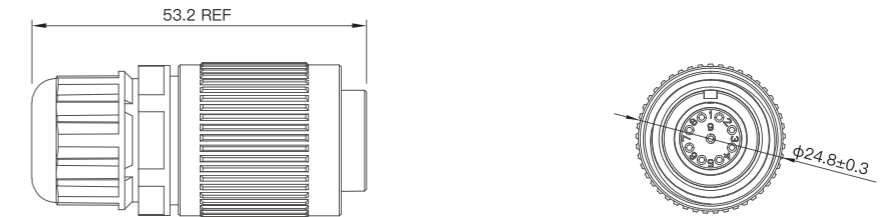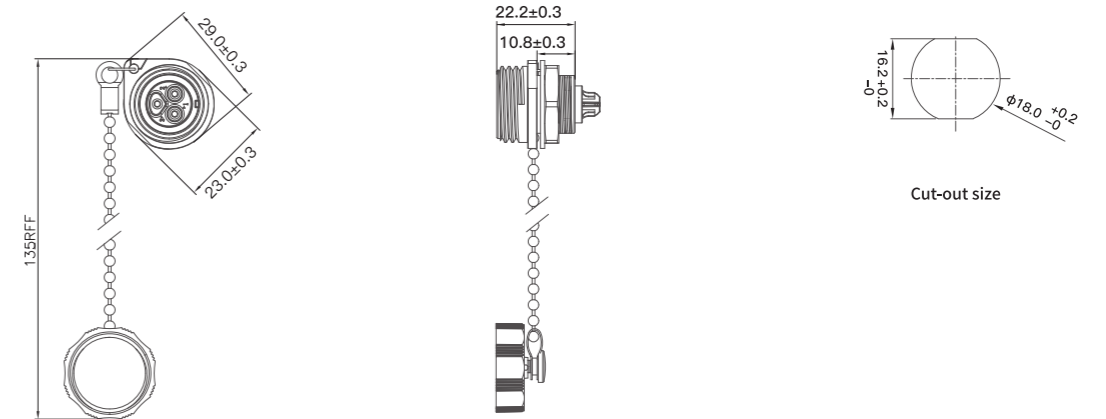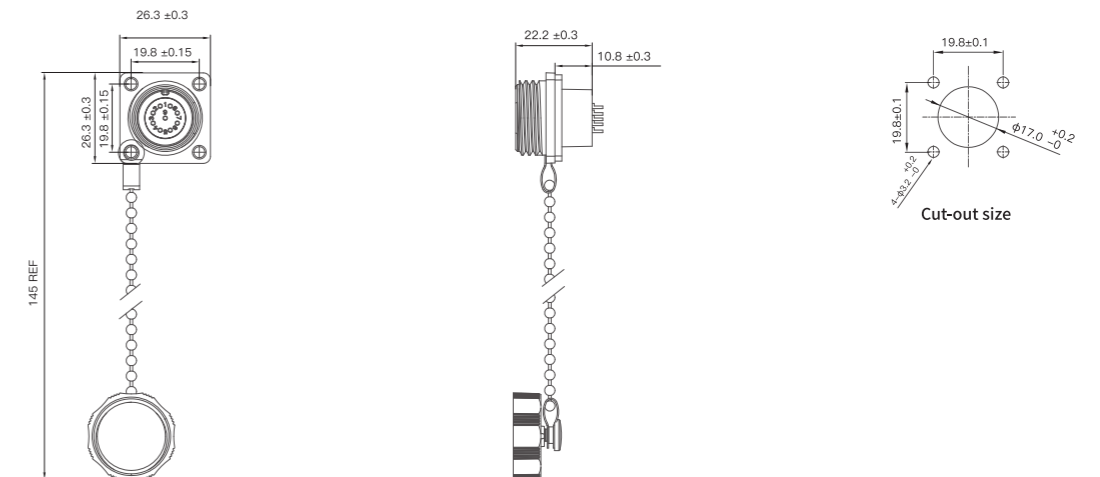
YW SERIES

YW-20 Datasheet

YW-20

Product Series		YW-20				YW-20					
Pin Number		2PIN	3PIN	4PIN	5PIN	5PIN	7PIN	8PIN	9PIN	12PIN	14PIN
Contact Layout		Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	Male / Female	Male / Female
Current Rating(A)		20	20	20	10	10/5	10	20/5	5	5	5
Voltage Rating(V)		500	500	500	500	300	500	250	250	250	250
Cable O.D(mm)		φ5.0～φ6.5	φ6.5～φ8.5	φ8.5～φ10.0	φ10.0～φ12.0		φ5.0～φ6.5　φ6.5～φ8.5　φ8.5～φ10.0　φ10.0～φ12.0				
Wire Gauge		2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	2.5~4.0mm²/14~12AWG	1.0~1.5mm²/ 18~16AWG	1.0~1.5mm²/ 18~16AWG 0.34~0.5mm²/22~20AWG	1.0~1.5mm²/ 18~16AWG	2.5~4.0mm²/14~12AWG 0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG	0.34~0.5mm²/22~20AWG
Protection Level		Connection Status IP67				Connection Status IP67					
Terminal Type		Soldering/Screwing	Soldering/Screwing	Soldering	Soldering	Soldering	Soldering	Soldering	Soldering	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-C05PE-03-xxxx	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-J05PE-03-xxxx	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
Four-hole 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-C05SX-03-xxxx	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-J05SX-03-xxxx	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

YW20 Power/Signal

YW-20 Dimension Drawing (unit: mm)

Plug

60.5 REF

φ27.2±0.3

Four-hole flange receptacle

30.0
22.0
32.8
22.0
145REF

24.3±0.3
10.2±0.3
145REF

22.0±0.1
22.0±0.1
φ20.0 +0.2 -0
4-φ3.2 +0.2
Cut-out size
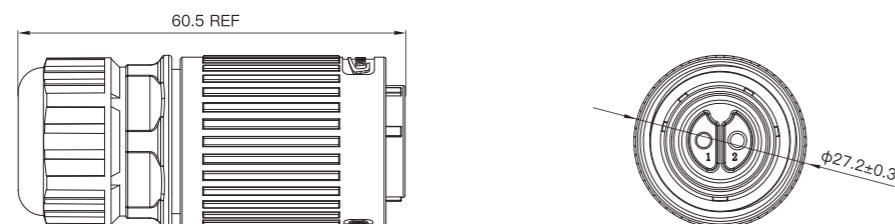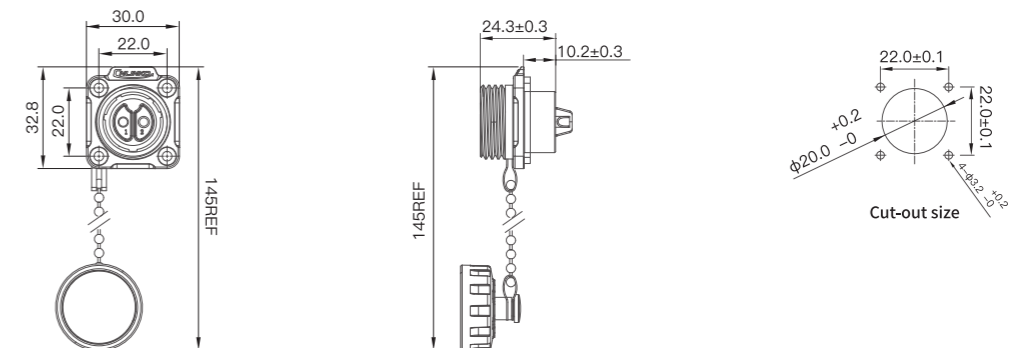
YW SERIES

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

YU-USB

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.

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YU-USB

—o— YU-USB Datasheet

	Product Series	YU-USB2.0			YU-USB3.0		
Data	Current Rating(A)	1.5			1.8		
	Voltage Rating(V)	5			5		
	Cable O.D(mm)	—			—		
	Wire Gauge	—			—		
	Protection Level	Connection Status IP67			Connection Status IP67		
	Terminal Type	480 Mbps			5.0 Gbps		
		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	—	—	—	— —

—o— YU-USB Dimension Drawing (unit: mm)

Plug

13.2 59.6 REF 52.8 REF 9.8
32.2 24.4 14.4 19.0 27.0 12.0

Single hole straight receptacle

79.6 REF

M25*1.25
27.0 22.6 24.4±0.2 32.2±0.3
18.0 13.2

φ23.6 +0.2 −0
φ25.2 +0.2 −0
Cut-out size

YU·USB
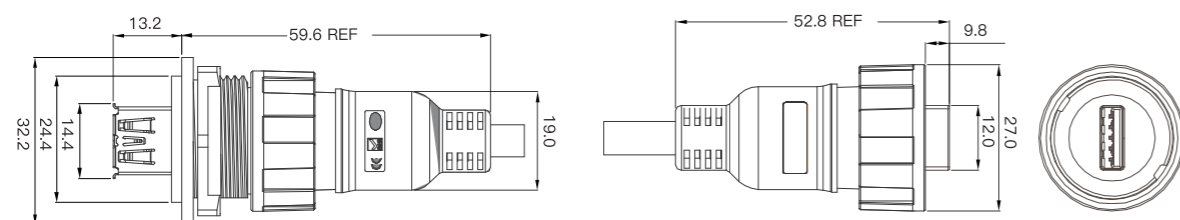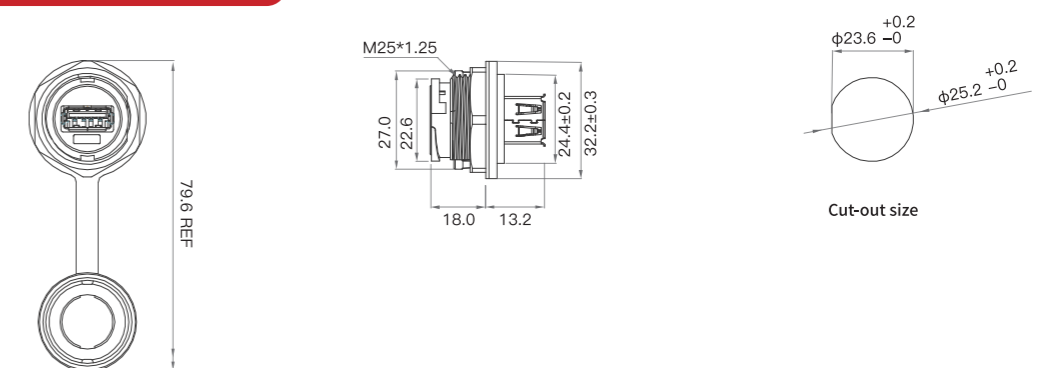
YT RJ45 SERIES

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

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Applications

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

Features Overview
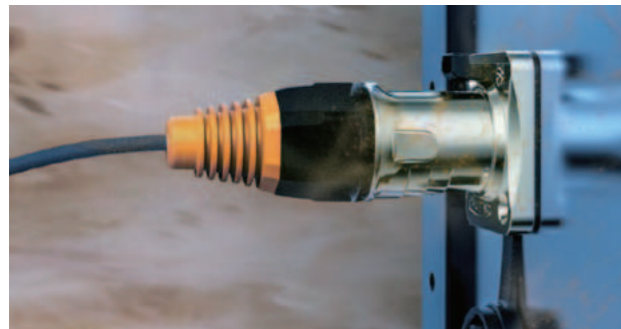
Excellent waterproof/dustproof performance
—

The protection level of YT series can reach IP65 when connected, which can provide good electrical protection performance for the equipment.
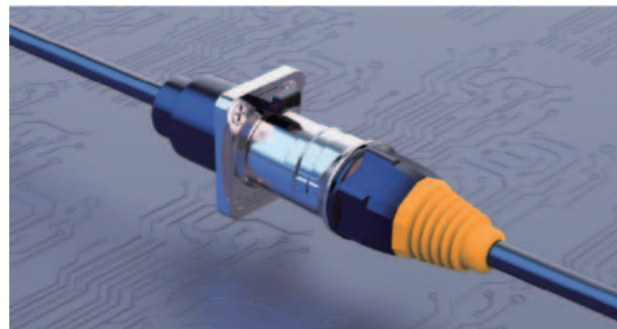
Super anti-shielding ability
—

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：Φ5.0~Φ6.8mm	
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

	Product Series	YT-RJ45	
RJ45 Signal	Pin Number	RJ45	—
	Contact Layout		—
	Current Rating(A)	1.5	—
	Voltage Rating(V)	125	—
	Cable O.D(mm)	φ5.0～φ6.8	—
	Wire Gauge	—	—
	Protection Level	IP44/IP65/IP67 (In connected state)	—
	Terminal Type	CAT.3~CAT.6A	—

	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(IP67)	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-04-002A	YT-RJ45-JSX-29-004(IP67)	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)	—	—	—	—	—

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─○─ YT-RJ45 Dimension Drawing (unit: mm)

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

Φ32.0±0.3

52.5 REF

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

35.8±0.3
38.9±0.3
120 REF
2

52.2REF
25.8±0.3
25.0
M25*1.5
12.0±0.3

4.5 +0.2 -0
14.2 +0.2 -0
Φ25.5 +0.2 -0
Cut-out size

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

35.8±0.3
39.0±0.3
2

35.4 REF
24.9±0.3
27.6
M28*1.5
10.8±0.3

26.0 +0.2 -0
28.0 +0.2 -0
Cut-out size
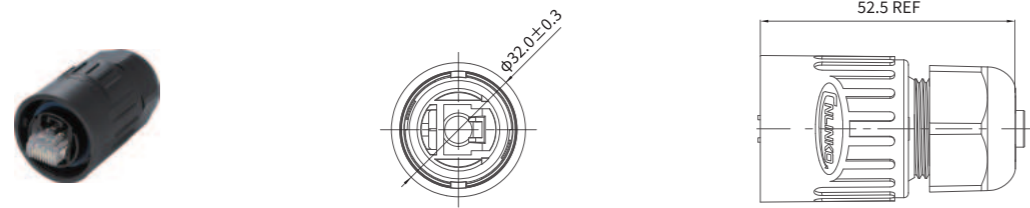
Square Connector   YT-RJ45-CPE-05-001

24.5±0.3
25.3±0.3

71.7 REF
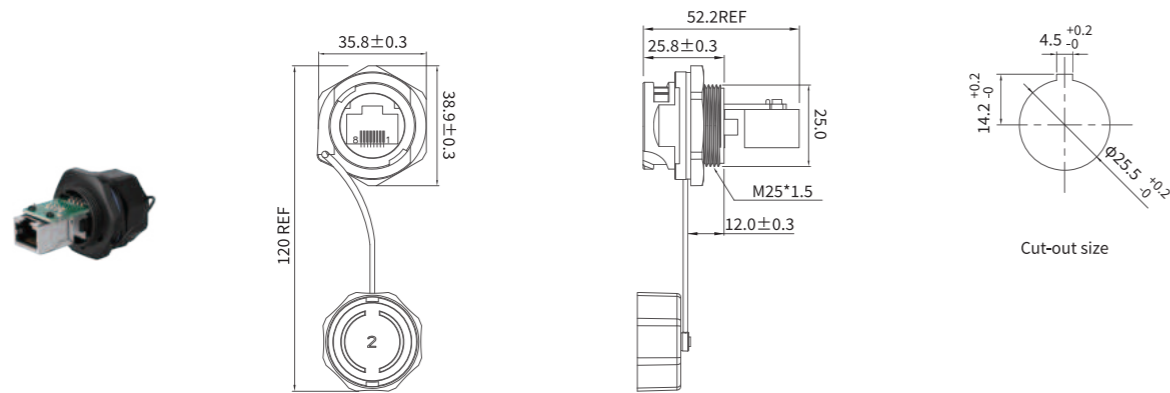
Square Connector   YT-RJ45-CPE-13-001

24.5±0.3
25.3±0.3

55.8 REF

Square Receptacle   YT-RJ45-JSX-02-001
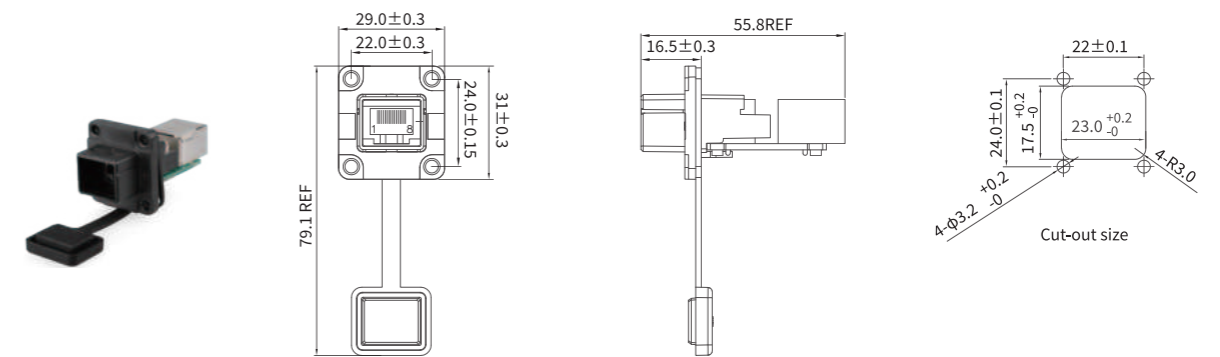
29.0±0.3
22.0±0.3
24.0±0.15
31±0.3
79.1 REF

55.8REF
16.5±0.3

22±0.1
24.0±0.1
17.5 +0.2 -0
23.0 +0.2 -0
4-Φ3.2 +0.2 -0
4-R3.0
Cut-out size

Square Receptacle   YT-RJ45-JSX-08-001

29.0±0.3
22.0±0.3
24.0±0.15
31.0±0.3
79.1 REF

50.7 REF
16.5±0.3

22±0.1
24.0±0.1
19.5 +0.2 -0
23.0 +0.2 -0
4-Φ3.2 +0.2 -0
4-R3.0
Cut-out size

YT·RJ45

YT·RJ45

YT-RJ45 Dimension Drawing (unit: mm)

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

φ25.9±0.3

65.7 REF

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

28.5±0.3

96.5 REF

35.3REF
23.4±0.3
16.4±0.3

M20.5*09

19.5 +0.2 -0
φ21.0 +0.2 -0

Cut-out size

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

28.5±0.3

96.5 REF

27.6 REF
16.4±0.3

M20.5*09

19.5 +0.2 -0
φ21.0 +0.2 -0

Cut-out size
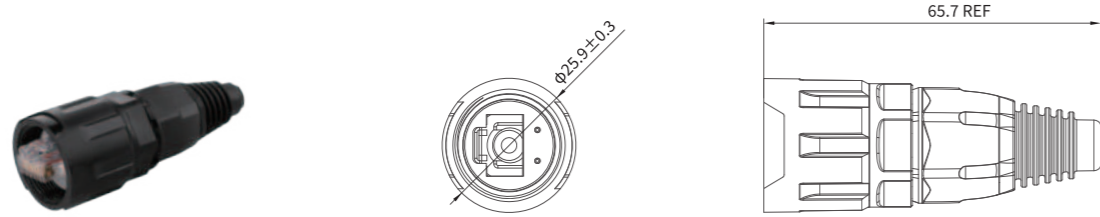
Metal Circularplug Connector YT-RJ45-CPE-11-001/2

φ22.5±0.3

57.3 REF

18.7±0.3
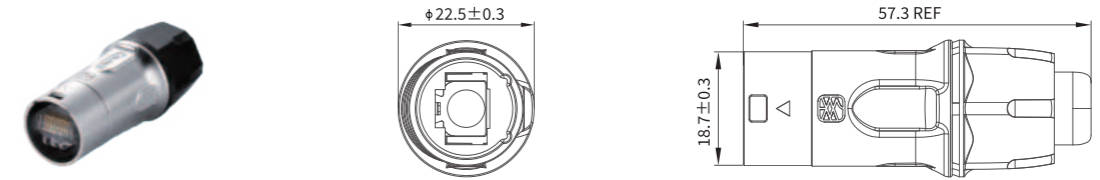
Metal Circularplug Connector YT-RJ45-CPE-10-001/2
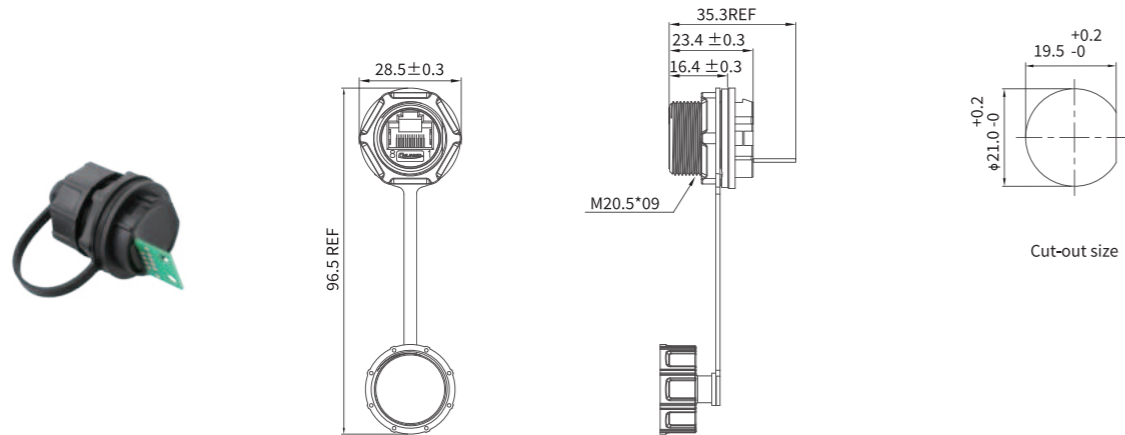
22.5±0.3

71.0 REF

18.7±0.15

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

28.1±0.3
19.0±0.15
24.0±0.15
33.7±0.3
68.6 REF

40.6 REF
19.0±0.3

19.0±0.1
24.0±0.1
φ24.0 +0.2 -0
2-φ3.2

Cut-out size

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

28.1±0.3
19.0±0.15
24.0±0.15
33.7±0.3
68.6 REF

37.5 REF
25.1±0.3

19.0±0.1
24.0±0.1
φ24.0 +0.2 -0
2-φ3.2 +0.2 -0

Cut-out size
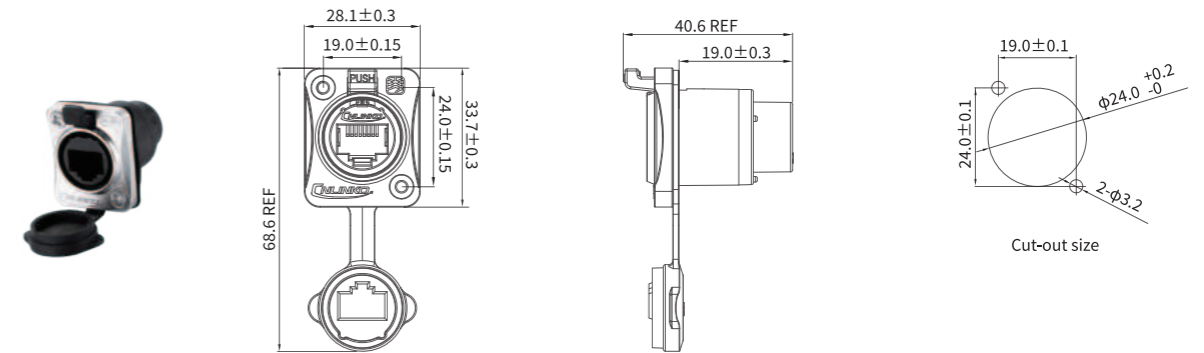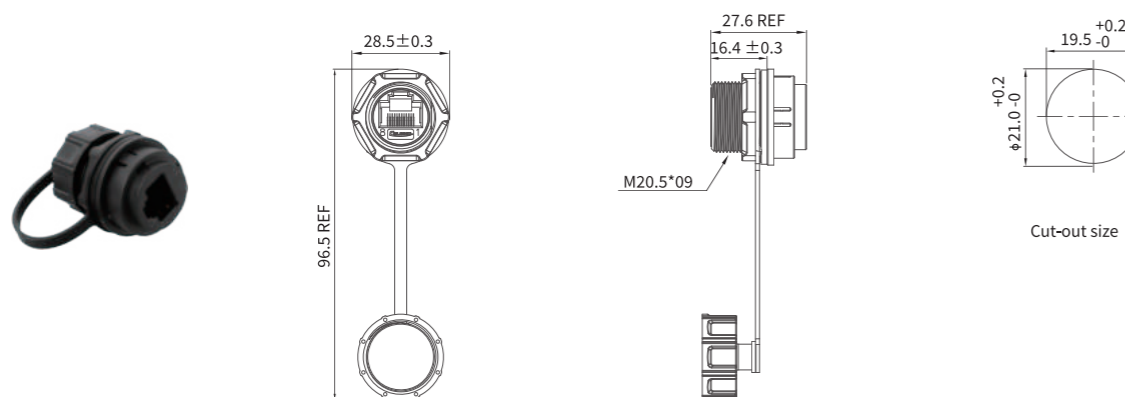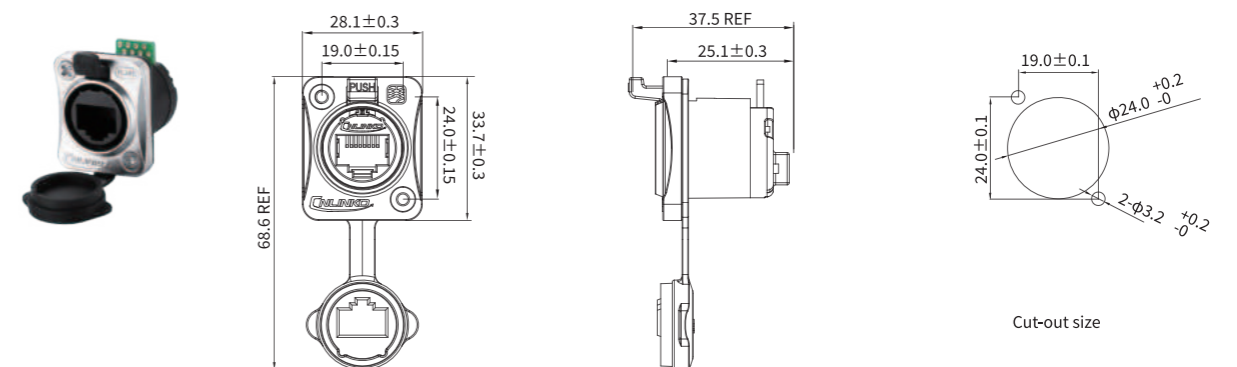
YF SERIES

Dedicated power connector

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 and metal type

● Introduction:

The product type includes power supply 3 pins. Plastic shell, light weight, good toughness, strong corrosion resistance, 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.
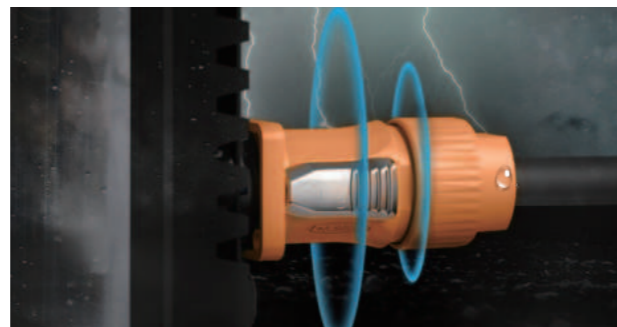
QR code of YF series

Applications

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

Features Overview

Slotting locking system

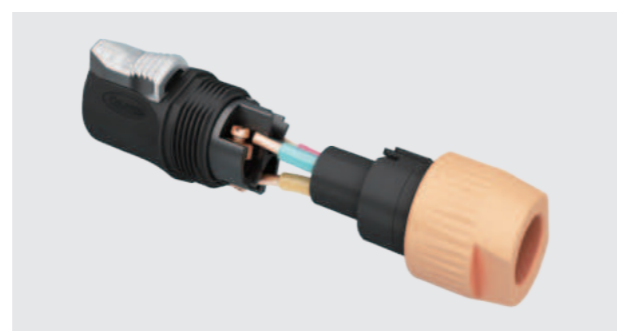The unique snap + plug connection locking system enables the connection more stable.

Excellent waterproof performance

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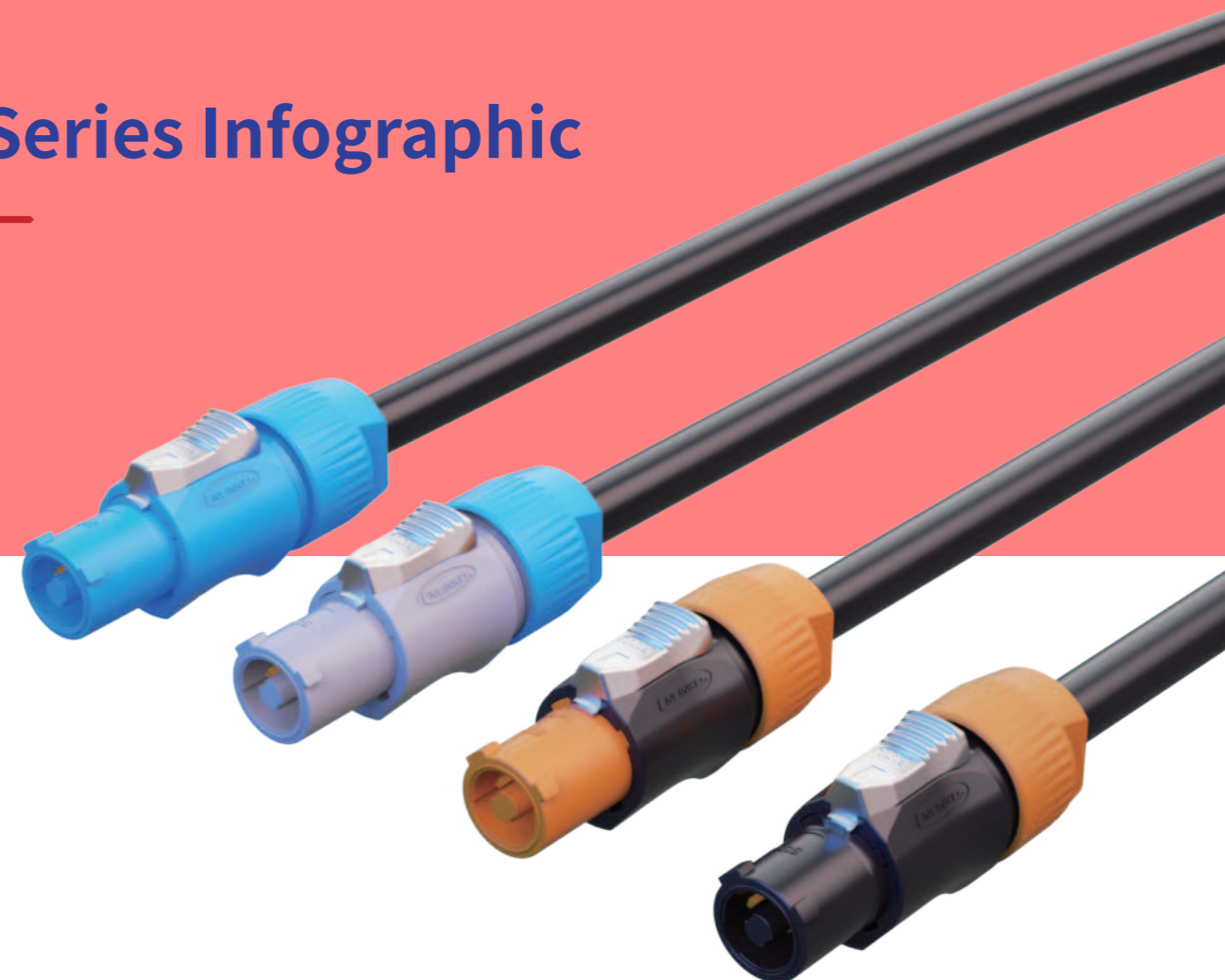

panel mount

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

Wiring

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

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:Φ5.0~6.8mm、Φ6.8~11.0mm
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-24

YF-24 Datasheet

Product Series	YF-24
YF24 Power/Signal	
Contact Layout	
Current Rating(A)	20
Voltage Rating(V)	500
Cable O.D(mm)	φ5.0～φ6.8 φ6.8～φ11.0
Wire Gauge	2.5~4.0mm²/14~12AWG
Protection Level	IP44 / IP65
Terminal Type	—

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 (IP44 right)	YF-24-J03SX-02-001(IP44 left)	YF-24-J03SX-02-002(IP65 left)	YF-24-C03SX-02-002(IP65 right)

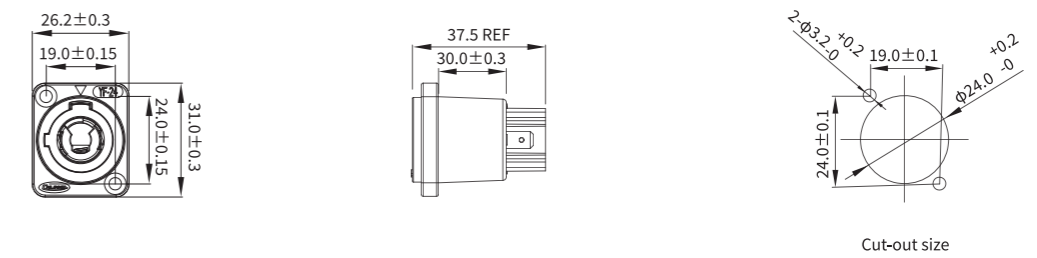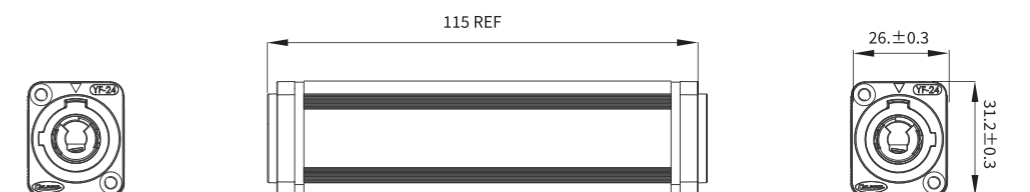| converter			
YF-24-J03SX-03-200(IP44)	YF-24-J03SX-01-200(IP44)	YF-24-C03SX-01-200(IP44)	YF-24-J03SX-02-200(IP65)

YF-24 Dimension Drawing (unit: mm)

Plug
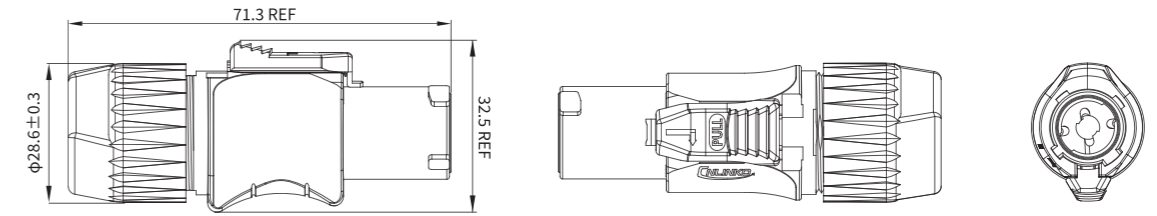
IP65receptacle

Cut-out size
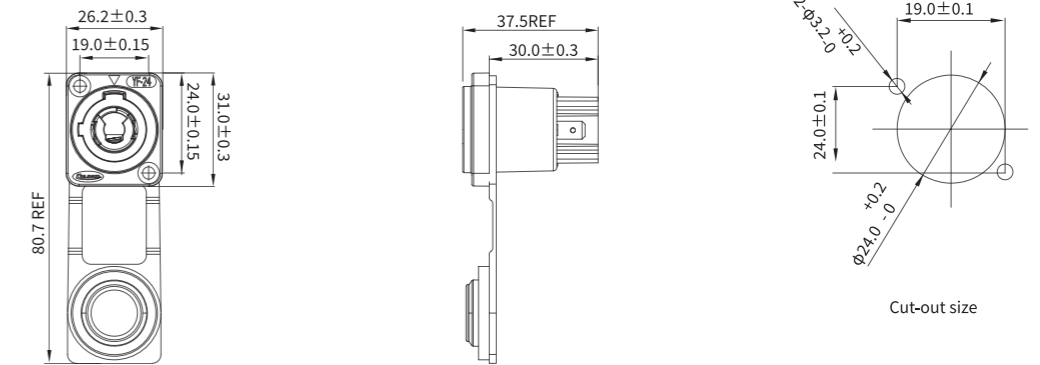
IP44receptacle

Cut-out size

Converter

Harness and connector customization

Harness and connector customization

Manufacturer of high reliability industrial waterproof connectors

Standard Harness

—o—

Power/Data/Signal Standard Harness	**P153**
Cnlinko's Products series	LP、YM、BD、DH、YU、YT、YF SERIES
Optional material types	Plastic type, Metal type, Plastic + Metal type

Harness and connector customization

—o—

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)	**P159**
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)	**P160**
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)	**P161**
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. If you have any doubts, you can contact the online customer service for more detailed product information.

CNLINKO official website QR code for harness and connector customization area

Standard Harness

Series	LP Series			LP Series	
Name	LP16 3–pin female plug welding plastic+metal+10A national standard 90 degree triangle plug+wire L=2M(CT–04) standard wiring harness	LP16 3–pin female plug welding plastic+metal+10A national standard 180 degree triangle plug+wire L=2M(CT–08) standard wiring harness		LP16 C 3.1 Male Plug Plastic + Cable + C 3.1 Male Plug Gen2 L=1M	LP16 C 3.1 4–pin Female Socket Plastic + Cable + C 3.1 Male Plug Gen2 L=1M
Current Rating(A)	10	10		5	5
Voltage Rating(V)	250	250		20	20
Part No	LP16–03–FP–E–2M–007	LP16–03–FP–E–2M–010		LP16–TYPEC–MP–MP–1M–002	LP16–TYPEC–MP–FS–1M–002
Illustration					
Name	LP20 3–pin female plug welding plastic+metal+10A national standard 90 degree triangle plug+wire L=2M(CT–04) standard wiring harness	LP20 3–pin female plug welding plastic+metal+16A national standard 90 degree triangle plug+wire L=2M(CT–05) standard wiring harness		LP20 3–pin male plug plastic + metal with spacer + wire L=1M (standard harness)	LP20 3–pin plastic + metal with spacer (double male plug + wire) L=1M (standard harness)
Current Rating(A)	10	16		20	20
Voltage Rating(V)	250	250		300	300
Part No	LP20–03–FP–E–2M–004	LP20–03–FP–E–2M–005		LP20–03–MP–E–1M–001	LP20–03–MP–MP–1M–001
Illustration					
Name	LP24–USB3.0 Male Plug + Cable + USB3.0 Male Plug L=0.5M (Standard Harness)	LP24 Fiber Optic Plug LC–LC 2–pin Singlemode with Metal Armor L=3M (Standard Harness)		LP24 HDMI2.1 single male plug + cable + HDMI2.1 male L=1M 4K@60Hz (standard harness)	LP24 HDMI male plug (double plug + cable) L=2M 3840*2160 60HZ (standard harness)
Current Rating(A)	3	–		–	0.5
Voltage Rating(V)	5	–		–	5
Part No	LP24–USB3–MP–MP–0D5M–001	LP24–F0–LC–LC–3M–001		LP24–HDMI–MP–MP–1M–002	LP24–HDMI–MP–MP–2M–002A
Illustration					

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Standard Harness

Series	YM Series			YM Series	
Name	YM20 3-pin double male plug welding plastic+wire L=1M(180 degree covered with spacer)	YM20 3-pin double female socket with soldered plastic+wire L=1M(180 degree plastic covered with spacer)		YM20 3-pin double male plug welding plastic+wire L=1M(90 degree covered with spacer)	YM20 3-pin double female socket welding plastic+wire L=1M(90 degree covered with spacer)
Current Rating(A)	20	20		20	20
Voltage Rating(V)	300	300		300	300
Part No	YM20-03-MP-MP-1M-001	YM20-03-FS-FS-1M-001		YM20-03-MP-MP-1M-002	YM20-03-FS-FS-1M-002
Illustration	1130±50mm 1000±30mm	1130±50mm 1000±30mm		1095±50mm 1000±30mm	1095±50mm 1000±30mm

Series	YM Series			YM Series	BD Series
Name	YM24 HDMI2.1 single male plug + cable + HDMI2.1 male L=1M 4K@60Hz (standard harness)	YM24 USB3.0 Male Plug + Cable + USB3.0 Male Plug L=1M (Standard Harness)		YM24 fiber optic single plug LC/UPC-LC/UPC two core single mode fiber optic cable with metal armor L=3M (standard harness)	BD24 HDMI male plug metal + cable + HDMI2.0 male plug L=1M 3840*2160 60HZ (standard harness)
Current Rating(A)	0.5	3			0.5
Voltage Rating(V)	5	5			5
Part No	YM24-HDMI-MP-MP-1M-003	YM24-USB3-MP-MP-1M-001		YM24-F0-LC-LC-3M-001	BD24-HDMI-MP-MP-1M-003A
Illustration	1015±25mm 71.1mm Ref 20mm Ref 36±0.5mm 9.3±0.3mm Source Display	71.1mm Ref 1000±30 47.3mm Ref 12±0.2mm		71.1mm Ref 3000⁺³⁰₋⁰ mm	1015±30mm 71mm Ref 36±0.5mm

Series	BD Series			DH Series	
Name	BD24 USB3.0 Plastic Male Plug + USB3.0 Male Plug + Cable L=1M (Standard Harness)	BD24 Fiber Optic Single Plug Metal LC/UPC-LC/UPC 2-pin Singlemode Fiber Optic Cable with metal armor L=3M (Standard Harness)		DH20 3-pin male plug welding metal + wire L=1M (standard harness)	DH20 3-pin double male plug welding metal + wire L=1M(standard harness)
Current Rating(A)	3			20	20
Voltage Rating(V)	5			300	300
Part No	BD24-USB3-MP-MP-1M-001	BD24-F0-LC-LC-3M-002		DH20-03-MP-E-1M-001	DH20-03-MP-MP-1M-001
Illustration	71mm REF 1000±30mm 47.3mm REF 12±0.2	71mm REF 3000⁺³⁰₋⁰ mm		62.5mmRef 1000±30mm	62.5mmRef 1000±30mm 62.5mmRef

Standard Harness

Series	DH Series			DH Series	
Name	DH24 USB3.0 Male Plug + Cable + USB3.0 Male Plug L=1M (Standard Harness)	DH24 HDMI2.1 single male plug + cable + HDMI2.1 male L=1M 4K@60Hz (standard harness)		DH24 Fiber Optic Plug LC–LC 2–pin Singlemode with Metal Armor L=3M (Standard Harness)	DH24 HDMI male plug (double plug + cable) L=1M 3840*2160 60HZ (standard harness)
Current Rating(A)	3	–		–	0.5
Voltage Rating(V)	5	–		–	5
Part No	DH24–USB3–MP–MP–1M–001	DH24–HDMI–MP–MP–1M–003		DH24–F0–LC–LC–3M–001	DH24–HDMI–MP–MP–1M–002A
Illustration					

Series	YU Series			YT Series	
Name	USB3.0 Soldering Cable SR Plug Overmolded + Male Plug + Cable L=1M (Standard Harness)	USB3.0 Solder Cable SR Socket + Male Plug L=0.3M (Standard Harness)		RJ45 Third–generation Push Button Waterproof Dual Plug + Cable(CAT5E) L=1M(Standard Harness)	RJ45–02 Second–generation Metal Dual Plug + Cord (CAT5E) L=1M (Standard Harness)
Current Rating(A)	3	3		–	–
Voltage Rating(V)	5	5		–	–
Part No	YU–USB3–MP–MP–1M–001	YU–USB3–FS–MP–0D3M–001		YT–RJ45–MP–MP–1M–001	YT–RJ45–MP–MP–1M–002
Illustration					

Series	YF Series				
Name	YF24 3–pin dual power plug (blue IP65 left) + cable L=1M (standard harness)	YF24 3–pin dual power plug (gray IP65 right) + cable L=1M (standard harness)		HDMI2.1 AOC (dual male plug + cable length) L=1M 8K*4K@60HZ (standard harness)	
Current Rating(A)	20	20		0.5	
Voltage Rating(V)	300	300		5	
Part No	YF24–03–MP–MP–1M–001	YF24–03–MP–MP–1M–002		QT–HDMI–MP–MP–1M–001	
Illustration					

Harness and connector customization

The Application case of Wire Harness (Power)

LP20 2/3/4 Pins

Application: Solar photovoltaic, new energy storage
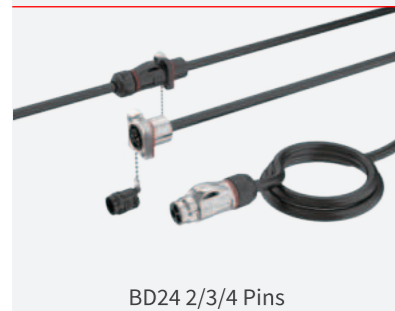
WVDC: 500V/AC, RC: 20A | Applicable wire diameter:Φ9.0～13.0mm

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
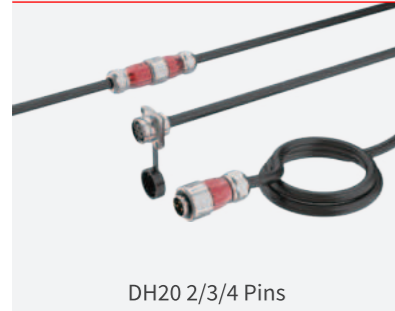
WVDC: 500V/AC, RC: 20A | Applicable wire diameter: Φ9.0～14.0mm

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)**

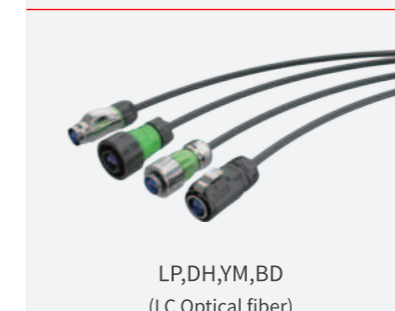### Application: LED display, robotics, communication and electronic equipment

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)**

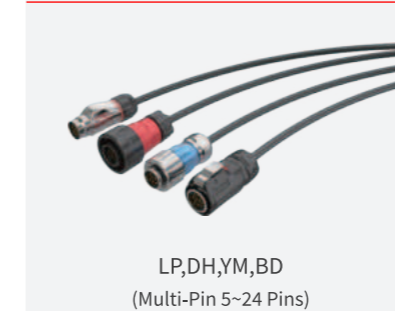### Application: Videophone, multimedia, audiovisual and monitoring equipment

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

Harness and connector customization

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°C

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°C

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°C

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°C

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

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

For more customization requirements of application scenarios, please log in to CNLINKO's official website www.cnlinko.com to contact online customer service, CNLINKO can provide you with one-stop professional services according to your needs Customized service.

PROFESSIONAL CUSTOMIZED SERVICE OF WIRE HARNESS WITH WATERPROOF 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.

Application of new energy

Servo motor

Electric bicycle

Communication equipment

Mechanical automation

Vehicle intelligent electronic monitoring

Medical apparatus and instruments

LED display

Lighting equipment

Monitoring equipment

Ship equipment

Industrial and mining machinery and equipment