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2019 Version

Product Manual 15th
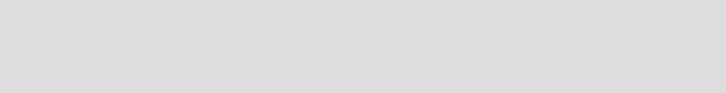Professional Manufacturer of Industrial Connectors

www.cnlinko.com

Shenzhen Linko Electric Co.,Ltd

CONTENTS

■ Continous and reliable partner

In this fast growing society, LINKO is committed to sustainable development, creating long-term partnerships and keeping promises. Our success comes from continuous innovation· new, outstanding creation and accurate customer positioning. Over the past decade or so, LINKO productsis updating industry standard, and today, as in the past, we are always ready for change. Capture customer needs and forecast market trends. The future of the company is built on past success. LINKO is not only a supplier, but also a reliable partner. LINKO stands for innovation, high quality and sustainable development.

■ Innovation is always one step ahead

Our innovation is based on the long-term accumulation of experience, LINKO has been using cutting-edge materials and standardized process, continue to create unique products and solutions, and set new industry standards worldwide。 LINKO unremitting efforts in the field of research and development, inspire us to provide more value-added, innovative products in the future.

■ Quality - long term added value

High-quality staff, cutting-edge production equipment and standardized production process ensure the best quality of products. LINKO provides all products that meet the requirements of high quality. We have been using superior production materials, a full range of standardized production processes, and improve the process, and continue to adhere to. Because of these, we maintain a high degree of customer satisfaction. The interaction of reliability, creativity and high quality creates tangible benefits for our customers.

Who Are We?

■ Linko has been focusing on industrial waterproof connectors for 15 years

The company was founded in 2004, is a research and development, production of high-performance connector products, is committed to high-end connectivity solutions enterprises. The company is located in Pengzhou industrial park, Fuyuan 1st roadFuyong street, Baoan district,Shenzhen, covering an area of more than 6000m² advanced automation production equipment ,annual production capacity of 6 million sets.The products of the company, with more than 40 patents technology, in 2016 is evaluated "the national high and new technology enterprise . The industry to create a first-class company, powerful experimental measure, has a professional development team, stable and reliable management process, rigorous supply chain management. We can make is the leading industry and the guarantee of the international community.

■ Dynamic Linko Highlights Technology

- We keep our words is our commitment to customer service and guarantee;
- Doing what we say is the premise for linko to be in a leading position in this field and maintain a good and lasting cooperative relationship with customers.
- Guaranteed product quality and complete after-sales service are linko's commitment to customers. Please trust your vision! Companies adhering keeping to the "honesty and credit, quality
- Frst leading technology, excellence;
- Customer first, timely delivery;
- Full participation and continuous improvement of "quality policy", Passed CQC and UL.CE, RoHS, IATF 16949, IP67, ISO9001 certification.

■ The quality of our products is trustworthy

The quality of Linko's products is trustworthy in the continuous efforts to forge ahead, these are not our highest requirements, we have to protect all product escort. LINKO industrial connectors comply with relevant national and international standards. Due to some special national standards, not every product can accept international certification.

■ Certifications

IATF 16949

IATF 16949   UL   CQC   RoHS   ISO 9001   CE   TÜV SUD

cULus   TÜV CERT DIN EN ISO 9001 Zertifikat: 09 100 5468   DVE   DMT   TÜV Rheinland Product Safety GS   Lloyd's Register   DNV

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

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

S	S	ESQ	N	SABS	EZÚ	EMI MSZ
Sweden	Switzerland	Slovakia	Spain	South Africa	Czech Republic	Hungary

15 Years Of Development

Market brand in 2018

In March ,Launched on Aliexpress.
In July,Launched on EBAY
In November, won a number of national invention patents
In December, through IATF16949 certification

Brand market in 2017

In March, the development and focusing on the development of overseas markets
In August,the company's new official website was launched
In December, won a number of national invention patents.

The company was upgraded in 2016

In may,a new and more large-scale plant was officially opened
In November,,Won "national high-tech enterprise"
In December,Kingdee ERP went online.

Lean management in2015

Implement the whole lean value chain management system from January to December
In December, it was certified as a national innovative enterprise
In December, it won the certification of SGS China manufacturing network supplier
In December, he became a member of shenzhen connector industry association

Brand Upgrade in 2013

In August, won the "most innovative potential award of China's electronic equipment"
In November, it passed UL product certification
In December,linko Nanshan business center was established.

Product upgrading and transformation in 2011

In January,Passed CCC certification
In September, Product upgrade and transformation from the production of aviation box to industrial connector
In November, building the testing laboratory.

Certification system in2010

In November, it passed the IP67 level test certification
In December,products passed CE,RoHS certification

Certification system in 2009

In November, the company passed the ISO9001 quality certification system
In December, Preliminary introduction of industrial connector production

In 2004

In February,the Company Was Formally Established

Certificates

Through years of efforts, Linko is committed to the connector will be in the international leading level, in the field of industrial connector master the core connection technology,with a number of professional R & d team in the aviation connector has obtained a number of international qualification certification.

High and new technology enterprise

Invention Patents

UL Certification

CQC Certification

ISO9001 Certification

RoHS Certification

TUV Certification

IP67 Certification

Engineering R&D team

Passion makes our technical innovation continuously extended and preciseness makes our product quality more guaranteed.Excellent design teams make your ideas come true.Rigorous engineering development process makes every step into order.The international advanced material supply guarantees the quality of each product.It is our permanent mission to make your products more value-added.

- Innovation Ability
- Design Ability
- Test Verification Ability
- Normation And Collaboration
- Team Work

Engineering Process
Linko can support you in every step of the project

Vip Customers' Needs

1 Draw up a plan
2 Review
3 Adjust as required
4 Design Supplementary
5 Sample making
6 Sample confirm
7 Your production plan
8 Project completion and continuous cooperation

Production

Production

Lean production is our eternal tenet.Continuous improvement we are doing it every single day .Efficient production capacity, so that each order shipped on time,Automation continues every standard.Linko strongly believed that good quality is Adhering to the concept of lean intelligent production, combined with full automation, flexible production and cell production, to meet the production needs of different products.

Delivery Time

From customer requirements to product design and development, LINKO only needs 20 -rigorous process and standard product testing.

Punctual delivery is our commitment to our customers, strict control of the entire supply chain, the implementation of the production process of "Red And Black Single Management", so that customers are satisfied.

Quality

In order to meet the needs of different types of products to achieve fast and effective shipping response. Set up a professional inventory system to meet your shipping needs at least 20, 000 sets per day.

Adhere to the principle of "Quality first", implement the whole process of quality monitoring from feeding to discharging, implement CCD and automatic detection, and eliminate mistake.

Cost

We cherish the cooperation with every customer. In order to rationalize the cost of products and continuously improve the whole process, starting from the design, process, material and efficiency, the production cost is optimized.

CNLINKO Part number Guide

Category 1：Waterproof connector

LP	20	C	03	PE	0	1	0 01	A
❶	❷	❸	❹	❺	❻	❼	❽❾	❿

|		
❶ PRODUCT SERIES	LP/DH/BD/YF/YW/YM/YZ/YA/LK
❷ INSTALLATION SIZE	12= ¢12mm 16= ¢16mm 20 = ¢20mm 24 = ¢24mm 28 = ¢28mm
❸ TYPE OF NEEDLE	C=Male pin, J=Female pin, K=Include male and female pin
❹ PIN NO.	01= single pin 02=2 pin 03=3 pin 04=4 pin ......
❺ GENDER	PE=Plug, SX=Socket, PP=In-line connector
❻ CONNECTING OF WIRE	0=Soldering 1=Crimping 2=Screwing 3=Riveting
❼ SHELL MATERIAL	1=plastic+metal, 2=plastic, 3=metal
❽ SPECIAL CODE	0=Plug, 1=Single hole socket, 2=Two-hole flange socket 4=Four-hole flange socket
❾ UPDATE CODE	01-99
❿ A	Product version

* The encoding is slightly different for reference standard universal data and signal interfaces such as USB HDMI RJ45 optical fibers
For example:

LP	24	C	/USB3A/100/	PE	01	0	01
❶	❷	❸	❹	❺	❻❼	❽	❾

❶ PRODUCT SERIES	LP/DH/BD
❷ INSTALLATION SIZE	12= ¢12mm 16= ¢16mm 20 = ¢20mm 24 = ¢24mm.........
❸ TYPE OF NEEDLE	C=Male pin, J=Female pin
❹ GENDER	USB/HDMI/RJ45/FO
❺ TYPE OF NEEDLE	PE=Plug, SX=Socket, PP=In-line connector
❻ CONNECTING OF WIRE	0=Soldering 1=Crimping 2=Screwing 3=Riveting
❼ MATERIAL	1=plastic+metal, 2=plastic, 3=metal
❽ SPECIAL CODE	0=plug, 1=Single hole socket, 2=Two-hole flange socket 4=Four-hole flange socket
❾ FLOW CODE	01-99

Category 2：Signal, data connector

YT	RJ45	C PE	10	001
❶	❷	❸❹	❺	❻

❶ PRODUCT SERIES	YT/YU
❷ INTERFACE CATEGORY	USB/RJ45
❸ Male and female	C=Male, J=Female
❹ GENDER	PE=Plug, SX=Socket, PP=In-line connector
❺ SERIAL CODE	10 ... ...
❻ FLOW CODE	01-99

Comprehensive Application Introduction
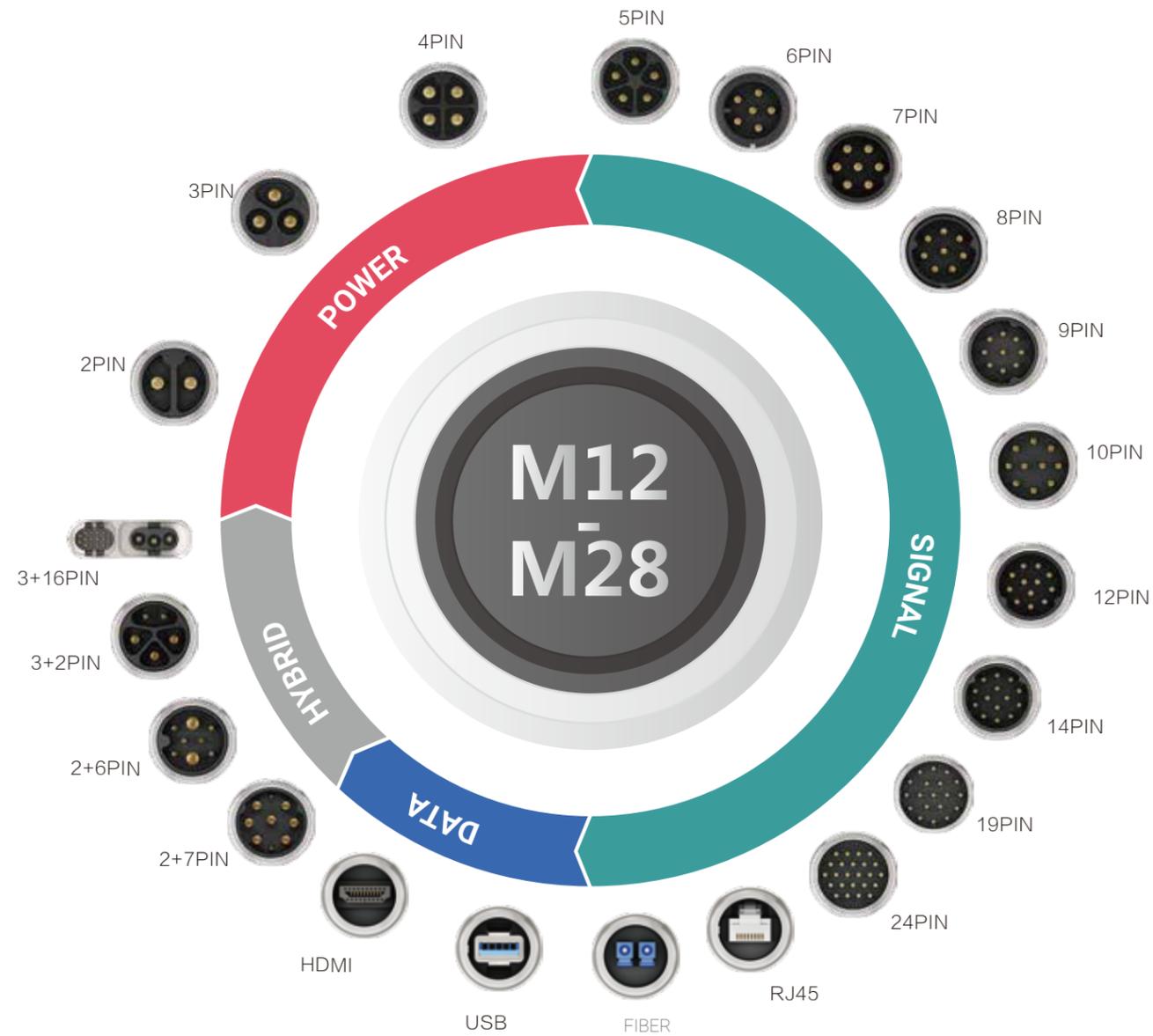
Application Case Introduction

Application Case Of LED Display

Linko adheres to the concept of providing excellent customer experience and provides customers with innovative products and engineering solutions. Technology-oriented and innovation-driven. In the pursuit of stable and reliable products, at the same time, committed to more aspects to meet the LED display electronic components of higher standards and more stringent requirements, to provide LED display more secure, more intelligent, more stable solutions

Application Equipment: LED Cabinet
Application Products: LP-20,YF-24, YT- RJ45 and so on

POWER

SIGNAL

HYBRID

DATA

M12
-
M28

4PIN
5PIN
6PIN
7PIN
8PIN
9PIN
10PIN
12PIN
14PIN
19PIN
24PIN
3PIN
2PIN
3+16PIN
3+2PIN
2+6PIN
2+7PIN
HDMI
USB
FIBER
RJ45

Application case of Security Equipment ▼

Visual security information equipment for people's lives to provide a variety of powerful security.
The stability of security monitoring system to the connecting equipment, the transmission rate of information, the stability of current become the new equipment to the connector
Requirements. Linker electrical connectors through a variety of security detection systems for your equipment to provide a strong connection protection.

Application equipment: computer room monitoring system, information security door, outdoor video monitor
Application products: LP-12, LP-16,LP-20,BD-24, LP-24

Application Case Of New Energy ▲

With the continuous development and progress of new energy industry, new requirements are put forward for connection technology.
Linko provides a variety of innovative equipment connectors for different applications in the new energy industry. These device connectors contain power, data, and signals, and can be installed in a variety of ways.

Application equipment: solar signal lamp, new energy vehicle, solar circuit board, new energy street lamp RV industry , etc
Application Products: LP-16, LP-20, YW-16, LP-28

Application Case Of Electronic Equipment ⏷

Linko provides waterproof connectors of different types and different electrical Functions, which are widely used in many kinds of electronic devices, such as M12 M16 and YU-USB.Different shell materials and customizable services offer more connectivity possibilities.

Application equipment: Signal Transmission instrument 、 3D printer8
Application product: LP-16、 LP-20、 YW-16、 LP-28

Application Case Of Automatic Equipment ⏶

With the change and development of industry, more and more automation equipments are used in industrial production，more Lean controllable production become the focus of people attention.
Cnlinko designs waterproof connectors of various models for automatic equipment,which provides solutions for industrial automatic equipment connection.

Application equipment: automatic equipment control box
Application product: LP-20、 BD-24、 DH-24、 YU-USB、 YT-RJ45

Application Case Of Lighting ▼

From tracing lamp in stages to landscape lights in underwater parks,the lighting connection technique of linko is improving continuously.Whether to create new connection or to enhance connection design,linko is your provider of lighting equipment solutions that provides stable lighting power and signal connection.

Application equipment: Plant growth lighting, city landscape lighting, street lighting and stage spot lighting.
Application product: LP-20、YW-20、YA-20、YM-20

Application case of communications-equipment ▲

With the 5G times coming,fast communication has become the basic requirements of communication industry equipment.Whether large-scale communication base station
Or industrial information transmission system,linko can provide full power , signal, data connection solution for you.The fast,convenient,stable and effective connection mode has been chosen by many equipments.

Application equipment:Signal transceiver
Application product: LP-12、 LP-16、YT-RJ45、YW-16

LP Quick Push Pull Locking Waterproof Connector

Cnlinko LP series waterproof connectors have been widely used in various challenging environments and occasions with its high precision, high quality automatic plugging and self-locking devices.Such as audio-visual equipment, medical equipment, industrial control, detection and measurement equipment, AV systems, radio and television and communications industry and so on.
Simple operation, fast and stable link device, challenging outdoor waterproof performance. To meet the environmental protection requirements of industrial equipment in the world while satisfying the quality.

Linko LP series multi-applicated connector,Simple operation, fast and stable link device,and its outdoor waterproof property has achieved IP67 IP Protection Class. To meet the environmental protection requirements of industrial equipment in the world while satisfying the quality.

• Series product information:
   Series :   LP- 12 、 LP- 16 、 LP- 20 、 LP- 24 、 LP- 28
   Hole size: M12 、 M16、M20、M24、 M28
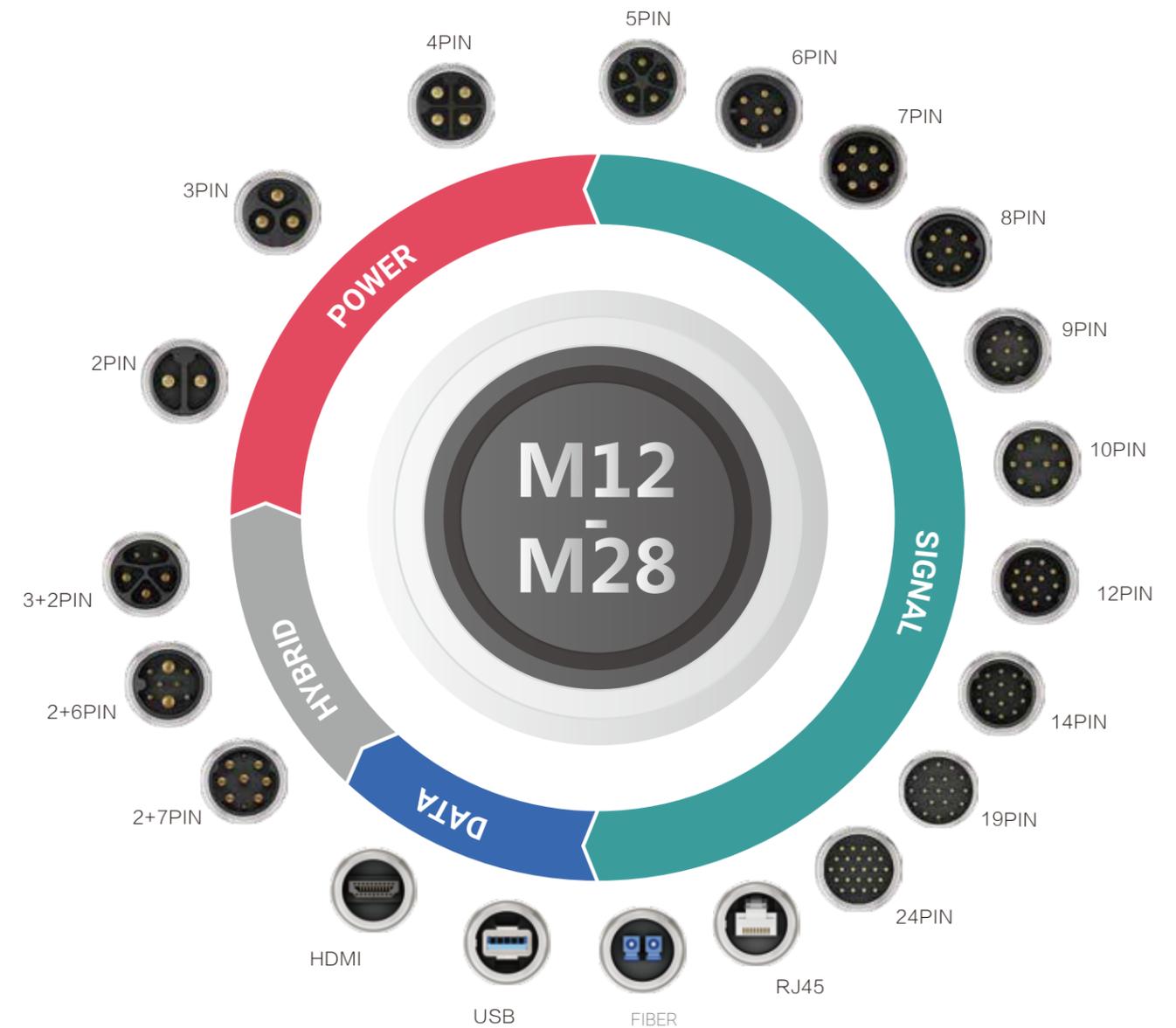   Application type :   Multi-core (2、3、4、5、6、7、8、9、10、12、14、19、24pin and customized 3+2、2+6、2+7pin)
                                   Signal (RJ45、 Fibre)
                                   Data （USB2.0 、USB3.0、 HDMI）
   Material type: plastic、 plastic+metal、 metal

• Application Of Graphic

• M12~M28
• IP Protection Class (Mated):IP67

POWER — 2PIN, 3PIN, 4PIN, 5PIN
SIGNAL — 6PIN, 7PIN, 8PIN, 9PIN, 10PIN, 12PIN, 14PIN, 19PIN, 24PIN
HYBRID — 3+2PIN, 2+6PIN, 2+7PIN
DATA — HDMI, USB, FIBER, RJ45

M12-M28

19

20

Series information graph

LP-12 series information Graph

Product application type:
Power: 2/3/4/5pin
Signal: 6/7/8pin
The voltage can arrive 250v when the power connection is working, rated current 5A(2~5pin),
3A(6~8pin),the shielded connector can be chosen.

- Multi-core
  Cable Range:∅3.0~∅6.0mm

LP-24 series information Graph

Product application type:
Power: 3/4pin
Signal：10/12/19/24pin、RJ45、Fibre
Data：USB，HDMI

The voltage can arrive 500v when the power connection is working, rated current 25A（3、4pin），10A
（10、12pin), 5A（19、14pin）, the shielded connector can be chosen.

- Multi-core
  Power Cable range:∅9.0~∅14.0mm

- Signal Type
  RJ45 Cable Range:∅5.0~∅6.5mm
  FIBER Cable Range:∅5.0~∅6.5mm

- Data Type
  USB Cable Range: ∅5.0~∅6.5mm
  HDMI Cable Range:∅5.0~∅6.5 mm

LP-16 series information Graph

Product application type:
Power: 2/3/4pin
Signa: 5/7/8/9pin、RJ45、Fibre

The voltage rating of power supply connection can
reach 500V, 10A(2、3、4 cores),5A(5、7、8、9
cores), the shielded connector can be chosen.

- Multi-core
  Cable Range:∅3.0~∅9.0mm

LP-20 series information Graph

Product application type:
Power: 2/3/4pin
Signal：5/7/9/12/14pin
The voltage can arrive500v when the power connection is working, rated current
20A(2、3、4pin),12A(5、7pin),the shielded connector can be chosen.

- Multi-core
  Cable Range: ∅5.0~∅13.0mm

LP-28 series information Graph

Product application type:
Power：2/3pin
Signa：8pin
The rated voltage of power supply connection can reach 500V, rated current 50A(2pin), 35A (3pin) ,15A (8 pin),Shielding
connectors are optional.

- Multi-core
  Cable Range: ∅13.0~∅20.0mm

LP-24 be used in Control Box of Machinery Equipment

• In-line connector

• Ergonomic structural process design, built from a harsh testing environment

• Waterproof ,High temperature resistance and cold resistance.

• Anti-electronic interference, faster transmission, safer, more stable.
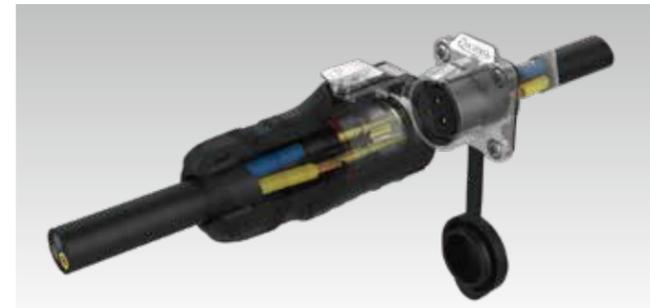
Characteristics

Reliable waterproof property
• LP series protection level up to ip67 when mated, for the equipment to provide good electrical protection performance.

Various wiring modes
• LP series waterproof connectors adopts two wiring modes, screwing and soldering (3PIN adopts screwing and soldering at present.

Stable and secure connection
• Use spring button fastening connection, convenient and fast, safe and firm.

Structural Sketch
• Precise structural positioning system ensures the safety and stability of connection performance.

Installation mode
• Linko LP series products are adopting Flange Mounting, Panel Mounting installation mode, can be used in front or rear of the plate connection, but also used the board outside line installation mode.

LP-12

	Product Series		LP-12									
	Pin Number		2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	9PIN	12PIN	14PIN
M12 Power + Signal	Section diagram		PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	—	—	—
	Current Rating		5A				3A					
	Voltage Rating		AC 150V				AC 100V					
	Cable range		⌀ 3.0~⌀ 6.0mm									
	Wire Gauge		0.34~0.75mm²/22-20AWG				0.25~0.34mm²/24 -22AWG					
	IP Protection Class (Mated)		IP67（Mated）									
	Termination		Soldering	Soldering/ Screw Locking	Soldering							

Product Picture	material		Part Number (The bold font is a best-sell products)									
Cable connector	plastic	Male	**LP-12-C02PE-02-001**	**LP-12-C03PE-02-001**	**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-02-001	LP-12-J03PE-02-001	LP-12-J04PE-02-001	LP-12-J05PE-02-001	LP-12-J06PE-02-001	LP-12-J07PE-02-001	LP-12-J08PE-02-001	—	—	—
In-line Cable connector		Male	LP-12-C02PP-02-001	LP-12-C03PP-02-001	LP-12-C04PP-02-001	LP-12-C05PP-02-001	LP-12-C06PP-02-001	LP-12-C07PP-02-001	LP-12-C08PP-02-001	—	—	—
		Female	**LP-12-J02PP-02-001**	**LP-12-J03PP-02-001**	**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**	—	—	—
Flange Mounting		Male	LP-12-C02SX-02-401	LP-12-C03SX-02-401	LP-12-C04SX-02-401	LP-12-C05SX-02-401	LP-12-C06SX-02-401	LP-12-C07SX-02-401	LP-12-C08SX-02-401	—	—	—
		Female	**LP-12-J02SX-02-401**	**LP-12-J03SX-02-401**	**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**	—	—	—
Panel Mounting Rear Locking		Male	LP-12-C02SX-02-101	LP-12-C03SX-02-101	LP-12-C04SX-02-101	LP-12-C05SX-02-101	LP-12-C06SX-02-101	LP-12-C07SX-02-101	LP-12-C08SX-02-101	—	—	—
		Female	**LP-12-J02SX-02-101**	**LP-12-J03SX-02-101**	**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**	—	—	—

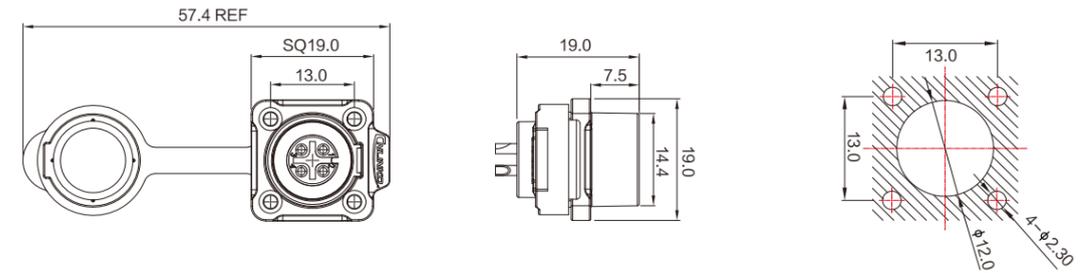|	Product Series		LP-12								9PIN	12PIN	14PIN
	Pin Number		2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN		9PIN	12PIN	14PIN
M12 Power + Signal	Section diagram		PIN Mounting	PIN Mounting	PIN Mounting	PIN Mounting	PIN Mounting	PIN Mounting	PIN Mounting		—	—	—
	Current Rating		5A				3A						
	Voltage Rating		AC 125V				AC 100V						
	Cable range		∅3.0~ ∅ 6.0mm										
	Wire Gauge		0.34~0.75mm²/22-20AWG				0.25~0.34mm²/24 -22AWG						
	IP Protection Class (Mated)		IP67（Mated）										
	Termination		Soldering	Soldering/ Screw Locking	Soldering								
Product Picture	**material**		**Part Number** (The bold font is a best-sell products)										
Cable connector	Metal	Male	**LP-12-C02PE-03-001**	**LP-12-C03PE-03-001**	**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	LP-12-J02PE-03-001	LP-12-J03PE-03-001	LP-12-J04PE-03-001	LP-12-J05PE-03-001	LP-12-J06PE-03-001	LP-12-J07PE-03-001	LP-12-J08PE-03-001		—	—	—
In-line Cable connector		Male	LP-12-C02PP-03-001	LP-12-C03PP-03-001	LP-12-C04PP-03-001	LP-12-C05PP-03-001	LP-12-C06PP-03-001	LP-12-C07PP-03-001	LP-12-C08PP-03-001		—	—	—
		Female	**LP-12-J02PP-03-001**	**LP-12-J03PP-03-001**	**LP-12-J04PP-03-001**	LP-12-J05PP-03-001	**LP-12-J06PP-03-001**	**LP-12-J07PP-03-001**	LP-12-J08PP-03-001		—	—	—
Flange Mounting		Male	LP-12-C02SX-03-401	LP-12-C03SX-03-401	LP-12-C04SX-03-401	LP-12-C05SX-03-401	LP-12-C06SX-03-401	LP-12-C07SX-03-401	LP-12-C08SX-03-401		—	—	—
		Female	**LP-12-J02SX-03-401**	LP-12-J03SX-03-401	**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		—	—	—
Panel Mounting Rear Locking		Male	LP-12-C02SX-03-101	LP-12-C03SX-03-101	LP-12-C04SX-03-101	LP12-C05SX-03-101	LP12-C06SX-03-101	LP12-C07SX-03-101	LP-12-C08SX-03-101		—	—	—
		Female	**LP-12-J02SX-03-101**	**LP-12-J03SX-03-101**	**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**		—	—	—

LP -12 Appearance Dimension

Plastic cable connector

46.5 REF
23.0 REF
17.2 REF

In-line Cable connector

46.0 REF
19.5 REF
17.8 REF

Panel Mounting Rear Locking

55.5 REF
19.3
17.6
18.9
11.5
φ12.0

Flange Mounting

57.4 REF
SQ19.0
13.0
19.0
7.5
14.4
19.0
13.0
13.0
φ12.0
4-φ2.30

Metal Cable connector

46.0 REF
21.8 REF
LP-12
16.9 REF

LP-12

Product Series		LP-16								RJ45	FIBER
Pin Number		2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	9PIN	RJ45	FIBER
Section diagram		PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	—	PIN / Mounting	PIN / Mounting	PIN / Mounting		
Current Rating		10A			5A						—
Voltage Rating		AC 400V			AC 250V						—
Cable range		∅3.0～∅9.0mm									—
Wire Gauge		1.0～1.5mm²/18 -16AWG			0.34~0.75mm²/22 - 20AWG						—
IP Protection Class (Mated)		IP67（Mated）									
Termination		Soldering									

M16 Power + Signal

Product Picture	material	Part Number (The bold font is a best-sell products)									
Cable connector	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**	—	—
		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 Cable connector		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**	—	—
Flange Mounting		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**	—	—
Panel Mounting Rear Locking		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	—	—
		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

Product Series		LP-16								RJ45	FIBER
Pin Number		2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	9PIN	RJ45	FIBER
Section diagram		PIN Mounting	PIN Mounting	PIN Mounting	PIN Mounting	—	PIN Mounting	PIN Mounting	PIN Mounting		
Current Rating		10A					5A				—
Voltage Rating		AC 400V					AC 250V				—
Cable range		⌀3.0~⌀9.0mm									—
Wire Gauge		1.0~1.5mm²/18 -16AWG				0.34~0.75mm²/22 - 20AWG					—
IP Protection Class (Mated)		IP67（Mated）									
Termination		Soldering									

M16 Power + Signal

LP-16

Product Picture	material	Part Number									
Cable connector	Plastic + Metal	Male	LP-16-C02PE-01-001	LP-16-C03PE-01-001	LP-16-C04PE-01-001	LP-16-C05PE-01-001		LP-16-C07PE-01-001	LP-16-C08PE-01-001	LP-16-C09PE-01-001	—	—
		Female	LP-16-J02PE-01-001	LP-16-J03PE-01-001	LP-16-J04PE-01-001	LP-16-J05PE-01-001		LP-16-J07PE-01-001	LP-16-J08PE-01-001	LP-16-J09PE-01-001	—	—
RJ45		Male									LP-16-C/RJ45/015/PE-42-001	—
		Female									LP-16-J/RJ45/110/PP-02-001 LP-16-J/RJ45/213/PP-42-001	—
FIBER		Female										LP-16-C/MTP/016/PE-43-001
FIBER Panel Mounting		Male										LP-16-J/MTP/016/SX-43-001

LP-16 Data Sheet

Product Series		LP-16									
M16 Power + Signal	Pin Number	2PIN	3PIN	4PIN	5PIN		7PIN	8PIN	9PIN	RJ45	FIBER
	Section diagram	PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	—	PIN / Mounting	PIN / Mounting	PIN / Mounting		
	Current Rating	10A				5A					—
	Voltage Rating	AC 400V				AC 250V					—
	Cable range	Ø3.0~Ø9.0mm									—
	Wire Gauge	1.0~1.5mm²/18-16AWG			0.34~0.75mm²/22-20AWG						—
	IP Protection Class (Mated)	IP67 (Mated)									
	Termination	Soldering									

Product Picture	material		Part Numberr (The bold font is a best-sell products)								
Cable connector	Metal	Male	**LP-16-C02PE-03-001**	**LP16-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**	—	—
		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 Cable connector		Male	LP-16-C02PP-01-001	LP-16-C03PP-01-001	LP-16-C04PP-01-001	LP16-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**	—	—
Flange Mounting		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**	—	—
Panel Mounting Rear Locking		Male	LP-16-C02SX-03-101	LP-16-C03SX-03-101	LP-16-C04SX-03-101	LP16-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	**LP16-J05SX-**03-101	—	**LP-16-J07SX-**03-101	**LP-16-J08SX-**03-101	**LP-16-J09SX-**03-101	—	—
		Male	LP-16-C/RJ45/015/PE-43-001 LP-16-J/RJ45/110/SX-03-201									
		Female	LP-16-J/RJ45/110/SX-02-201 LP-16-J/RJ45/110/SX-02-202									

LP-16 Appearance Dimension

Metal Cable Connector

51.5 REF

29.2 REF

22.7 REF

Plastic Cable Connector

29.8 REF

23.0 REF

54.0 REF

In-line Cable Connector

25.7 REF

55.2 REF

23.5 REF

2 Holes Flange Mounting

76.6 REF

34.0

31.0

24.0

19.0

26.0

34.6

24.0

19.0

4-φ3.2

φ24.0

4 Holes Flange Mounting

75.4 REF

31.5 REF

20.0

SQ 28.5

10.0

27.0 REF

20.0

4-φ3.2

φ16.5

Panel Mounting Rear Locking

70.1 REF

27.0 REF

25.0 REF

φ18.5

16.5

LP-20 Data Sheet

	Product Series	LP-20									
M20 Power + Signal	Pin Number	2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	9PIN	12PIN	14PIN
	Section diagram	PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	—	PIN / Mounting	—	PIN / Mounting	PIN / Mounting	PIN / Mounting
	Current Rating	20A			10A			—	5A		
	Voltage Rating	AC 500V			AC 500V			—	AC 250V		
	Cable range	Ø9.0~ Ø13.0mm			Ø7.0~ Ø10.0mm				Ø7.0~ Ø10.0mm		
	Wire Gauge	2.5~4.0mm²/14-12AWG			1.0~1.5mm²/18-16AWG				0.34~0.75mm²/22-20AWG		
	IP Protection Class (Mated)	IP67（Mated）									
	Termination	Soldering	Soldering / Screw Locking	Soldering							

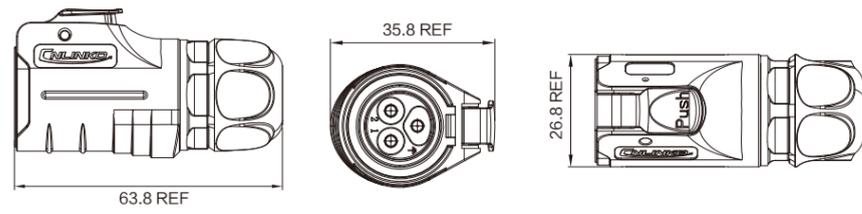| Product Picture	material	Part Numbe (The bold font is a best-sell products)									
Cable connector		Male	**LP-20-C02PE-01-001A**	**LP-20-C03PE-01-001A**	**LP-20-C04PE-01-001A**	**LP-20-C05PE-01-001A**	—	**LP-20-C07PE-01-001A**	—	**LP-20-C09PE-01-001A**	**LP-20-C12PE-01-001A**	**LP-20-C14PE-01-001A**
		Female	LP-20-J02PE-01-001A	LP-20-J03PE-01-001A	LP-20-J04PE-01-001A	LP-20-J05PE-01-001A	—	LP-20-J07PE-01-001A	—	LP-20-J09PE-01-001A	LP-20-J12PE-01-001A	LP-20-J14PE-01-001A
In-line Cable connector	Plastic / Metal	Male	LP-20-C02PP-01-001A	LP-20-C03PP-01-001A	LP-20-C04PP-01-001A	LP-20-C05PP-01-001A	—	LP-20-C07PP-01-001A	—	LP-20-C09PP-01-001A	LP-20-C12PP-01-001A	LP-20-C14PP-01-001A1A
		Female	LP-20-J02PP-01-001A	LP-20-J03PP-01-001A	LP-20-J04PP-01-001A	LP-20-J05PP-01-001A	—	LP-20-J07PP-01-001A	—	LP-20-J09PP-01-001A	LP-20-J12PP-01-001A	LP-20-J14PP-01-000
4 Holes Flange Mounting		Male	LP-20-C02SX-03-401A	LP-20-C03SX-03-401A	LP-20-C04SX-03-401A	LP-20-C05SX-03-401A	—	LP-20-C07SX-03-401A	—	LP-20-C09SX-03-401A	LP-20-C12SX-03-401A	LP-20-C14SX-03-401A
		Female	**LP-20-J02SX**-03-401A	**LP-20-J03SX**-03-401A	**LP-20-J04SX**-03-401A	**LP-20-J05SX**-03-401A	—	**LP-20-J07SX**-03-401A	—	**LP-20-J09SX**-03-401A	**LP-20-J12SX**-03-401A	**LP-20-J14SX**-03-401A
2 Holes Flange Mounting		Male	LP-20-C02SX-03-201A	LP-20-C03SX-03-201A	LP-20-C04SX-03-201A	LP-20-C05SX-03-201A	—	LP-20-C07SX-03-201A	—	LP-20-C09SX-03-201A	LP-20-C12SX-03-201A	LP-20-C14SX-03-201A
		Female	**LP-20-J02SX**-03-201A	**LP-20-J03SX**-03-201A	**LP-20-J04SX**-03-201A	**LP-20-J05SX**-03-201A	—	**LP-20-J07SX**-03-201A	—	**LP-20-J09SX**-03-201A	**LP-20-J12SX**-03-201A	**LP-20-J14SX**-03-201A
Panel Mounting Rear Locking		Male	LP-20-C02SX-03-101A	LP-20-C03SX-03-101A	LP-20-C04SX-03-101A	LP-20-C05SX-03-101A	—	LP-20-C07SX-03-101A	—	LP-20-C09SX-03-101A	LP-20-C12SX-03-101A	LP-20-C14SX-03-101A
		Female	LP-20-J02SX-03-101A	LP-20-J03SX-03-101A	LP-20-J04SX-03-101A	LP-20-J05SX-03-101A	—	LP-20-J07SX-03-101A	—	LP-20-J09SX-03-101A	LP-20-J12SX-03-101A	LP-20-J14SX-03-101A

LP-20

Product Series		LP-20									
Pin Number		2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	9PIN	12PIN	14PIN
Section diagram		PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	—	PIN / Mounting	—	PIN / Mounting	PIN / Mounting	PIN / Mounting
Current Rating		20A			10A			—	5A		
Voltage Rating		AC 500V			AC 500V			—	AC 250V		
Cable range		Ø9.0~ Ø13.0mm			Ø7.0~ Ø10.0mm				Ø7.0~ Ø10.0mm		
Wire Gauge		2.5~4.0mm²/14 -12AWG			1.0~1.5mm²/16AWG			—	0.34~0.75mm²/22-20AWG		
IP Protection Class (Mated)		IP67（Mated)									
Termination		Soldering	Soldering/ Screw Locking	Soldering							

M20 Power + Signal

Product Picture	material	Part Number									
Plastic Cable connector	Plastic / Metal	Male	LP-20-C02PE-02-001A	LP-20-C03PE-02-001A	LP-20-C04PE-02-001A	LP-20-C05PE-02-001A	—	LP-20-C07PE-02-001A	—	LP-20-C09PE-02-001A	LP-20-C12PE-02-001A	LP-20-C14PE-02-001A
In-line Cable connector		Female	LP-20-J02PP-02-001A	LP-20-J03PP-02-001A	LP-20-J04PP-02-001A	LP-20-J05PP-02-001A	—	LP-20-J07PP-02-001A	—	LP-20-J09PP-02-001A	LP-20-J12PP-02-001A	LP-20-J14PP-02-001A
Panel Mounting Rear Locking		Female	LP-20-J02SX-02-101A	LP-20-J03SX-02-101A	LP-20-J04SX-02-101A	LP-20-J05SX-02-101A	—	LP-20-J07SX-02-101A	—	LP-20-J09SX-02-101A	LP-20-J12SX-02-101A	LP-20-J14SX-02-101A
Metal Cable connector		Male	LP-20-C02PE-03-001A	LP-20-C03PE-03-001A	LP-20-C04PE-03-001A	LP-20-C05PE-03-001A	—	LP-20-C07PE-03-001A	—	LP-20-C09PE-03-001A	LP-20-C12PE-03-001A	LP-20-C14PE-03-001A
		Female	LP-20-J02PE-03-001A	LP-20-J03PE-03-001A	LP-20-J04PE-03-001A	LP-20-J05PE-03-001A	—	LP-20-J07PE-03-001A	—	LP-20-J09PE-03-001A	LP-20-J12PE-03-001A	LP-20-J14PE-03-001A

LP-20

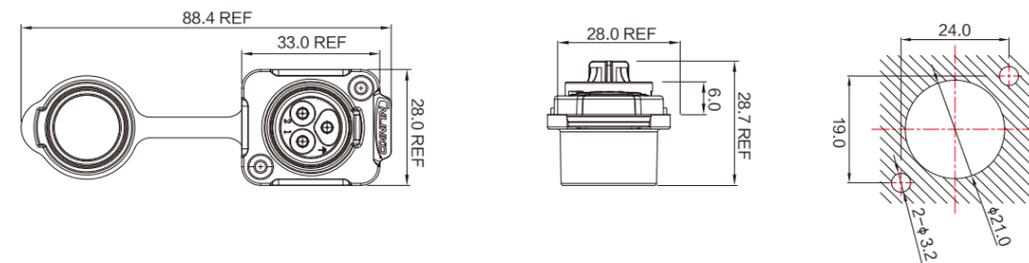## LP-20 Appearance Dimension
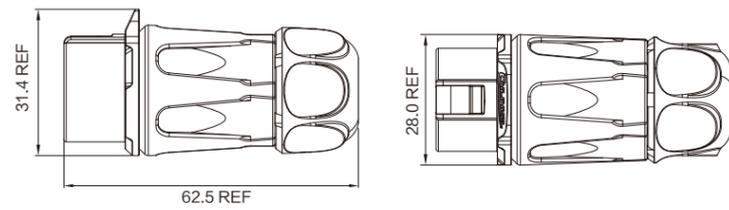
■ Plastic Cable connector

35.8 REF
26.8 REF
63.8 REF

Push

■ In-line Cable connector

31.4 REF
28.0 REF
62.5 REF

■ Panel Mounting Rear Locking

85.0 REF
31.4 REF
28.7 REF
30.6 REF
φ22.5
20

■ 2 Holes Flange Mounting

88.4 REF
33.0 REF
28.0 REF
28.0 REF
6.0
28.7 REF
24.0
19.0
2-φ3.2
φ21.0

■ 4 Holes Flange Mounting

87.0 REF
30.1REF
SQ 30.1
22.0
28.7 REF
7.5
22.0
4-φ3.2
φ21.0
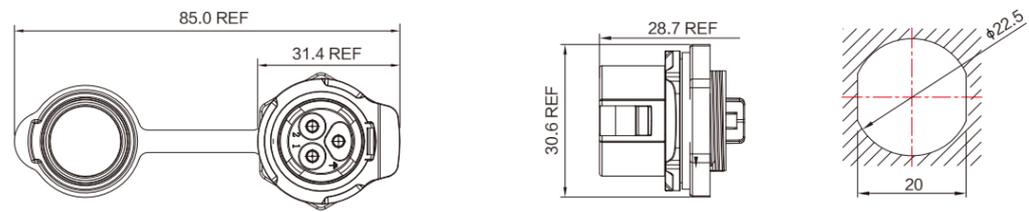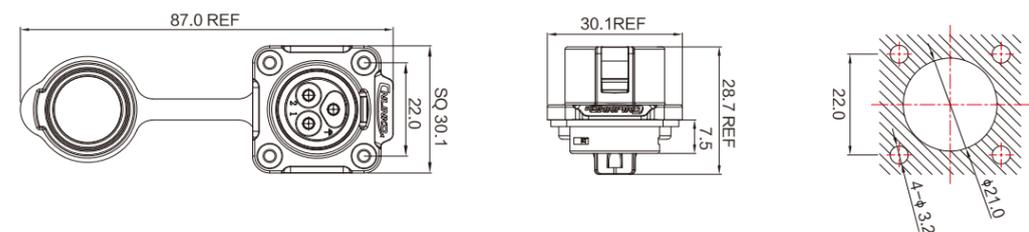
LP-24 Appearance Dimension

■ Plastic Cable connector

■ HDMI Cable connector

40.7 REF
72.5 REF
30.8 REF
Push
POWER
40.7 REF
30.8 REF

■ Power Flange Panel Mounting

92.8 REF
35.7 REF
SQ 33.0
26.0 REF
36.9 REF
26.0
4-φ3.2
φ24.0

■ RJ45 Flange Panel Mounting

92.8 REF
SQ 33.0
26.0 REF
33.3
26.0
4-φ3.2
φ24.0

■ USB Flange Panel Mounting

SQ 33.0
26.0 REF
38.8 REF
26.0
4-φ3.2
φ24.0

■ HDMI Flange Panel Mounting

92.8 REF
35.7 REF
SQ 33.0
26.0 REF
33.7
26.0
4-φ3.2
φ24.0

LP-24

M24 Power + Signal	Product Series	LP-24						RJ45	HDMI	USB	FIBER
	Pin Number	3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45	HDMI	USB	FIBER
	Section diagram	PIN Mounting	PIN Mounting	PIN Mounting	PIN Mounting	PIN Mounting	PIN Mounting				
	Current Rating	25A		10A		5A		—		—	
	Voltage Rating	AC 500V		AC 400V		AC 250V		—		—	
	Cable range	⌀9.0~⌀14.0mm						⌀5.0~⌀6.5mm			—
	Wire Gauge	2.5~4.0mm²/14 -12AWG		1.0~1.5mm²/18 -16AWG		0.34~0.75mm²/22 - 20AWG		26-24AWG			—
	IP Protection Class (Mated)	IP67（Mated）									
	Termination	Soldering									

Product Picture	material	Part Number (The bold font is a best-sell products)									
Power Cable connector		Male	**LP-24-C03PE-01-001**	**LP-24-C04PE-01-001**	**LP-24-C10PE-01-001**	LP-24-C12PE-01-001	**LP-24-C19PE-01-001**	LP-24-C24PE-01-001	—	—	—	—
		Female	LP-24-J03PE-01-001	LP-24-J04PE-01-001	LP-24-J10PE-01-001	LP-24-J12PE-01-001	LP-24-J19PE-01-001	LP-24-J24PE-01-001				
Flange Mounting	Plastic + Metal	Male	LP-24-C03SX-03-401	LP-24-C04SX-03-401	LP-24-C10SX-03-401	LP-24-C12SX-03-401	LP-24-C19SX-03-401	LP-24-C24SX-03-401	—	—	—	—
		Female	**LP-24-J03SX**-03-401	**LP-24-J04SX**-03-401	**LP-24-J10SX**-03-401	**LP-24-J12SX**-03-401	**LP-24-J19SX**-03-401	**LP-24-J24SX**-03-401				
RJ45 Cable connector		Male							LP-24-C/RJ45/015/PE-41-001	—	—	—
		Female							LP-24-J/RJ45/213/SX-43-401	—	—	—
HDMI Cable connector		Male								LP-24-C/HDMI2/115/PE-41-001	—	—
		Female								LP-24-J/HDMI2/213/SX-43-401	—	—
USB Cable connector		Male									LP-24-C/USB3/016/PE-41-001	—
		Female									LP-24-J/USB3/213/SX-43-401	—
FIBER Cable connector		Male										LP-24-C/LC/016/PE-41-001
		Female										LP-24-J/LC/213/SX-43-401

LP-24

Product Series		LP-28		
Pin Number		2PIN	3PIN	8PIN
Section diagram		PIN　　　Mounting	PIN　　　Mounting	PIN　　　Mounting
Current Rating		50A	35A	15A
Voltage Rating		AC 500V		AC 500V
Cable range		⌀18.0~⌀20.0mm		⌀13.0~⌀15.0mm
Wire Gauge		13mm²-/6AWG	8mm²-/8AWG	2.5mm²-4.0mm²
IP Protection Class (Mated)		IP67（Mated）		
Termination		Screw Locking		Soldering
Product Picture	material	Part Number		
Cable connector	Plastic + Metal	Male	LP-28-C02PE-21-001	LP-28-C03PE-21-001	LP-28-C08PE-01-001
Flange Mounting		Female	LP-28-J02SX-23-401	LP-28-J03SX-23-401	LP-28-J08SX-03-401

M28 Power + Signal

Appearance Dimension

■ **Cable connector**

92.2 REF

48.81 REF

■ **Power Flange Panel Mounting**

115.5 REF

42.0 REF

28.0

37.0

39.8

28.0

28.0

4-⌀3.2
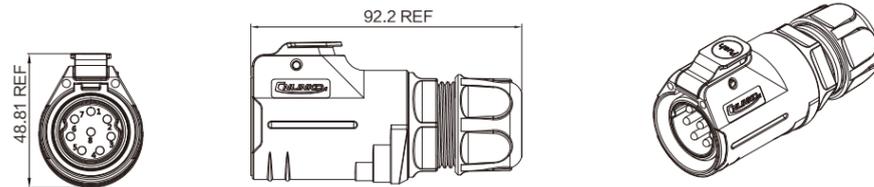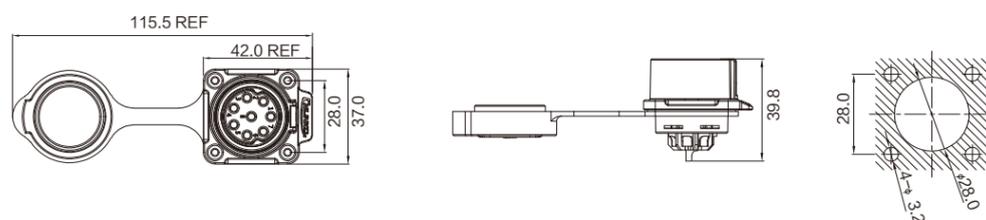
DH Series Waterproof
Metal Circular Connector

DH (M20, M24) waterproof connector made of metal shell, the overall use of a unique spring connection, rotary locking connection. Precision internal construction, firm . The solid metal shell structure provides safe and stable connection and transmission performance, and ensures the stability of electrical performance of the equipment in use..

DH

DH serials waterproof connector application

DH series waterproof connector,with the characteristics of firmness, precision and stable electrical performance ,and be used in various mechanical equipment ,such as medical equipment ,robot and unmanned aerial vehicles.

DH series connectors are precise and strong, providing power supply, signal and data connection solutions for many mechanical devices.Suitable for front and rear plate installation equipment ,can also be used for outside system equipment.

- DH series product information
  DH series coding：DH-20 、DH-24
  opening size: M20、M24
  Multi-pins : 2/3/4/5/6/7/9/10/12/19/24 and customized 3+2 2+6 2+7 ,etc.
  　　　　　Signal (RJ45, Optic Fiber)
  　　　　　Data:（USB2.0 、USB3.0、HDMI）
  Material type: Materials Metal

- Application Of Graphic

4PIN
5PIN
6PIN
7PIN
8PIN
3PIN
9PIN
2PIN
10PIN
POWER
SIGNAL
M20 - M24
12PIN
3+2PIN
HYBRID
14PIN
2+6PIN
DATA
19芯
2+7PIN
24芯
HDMI
USB
FIBER
RJ45
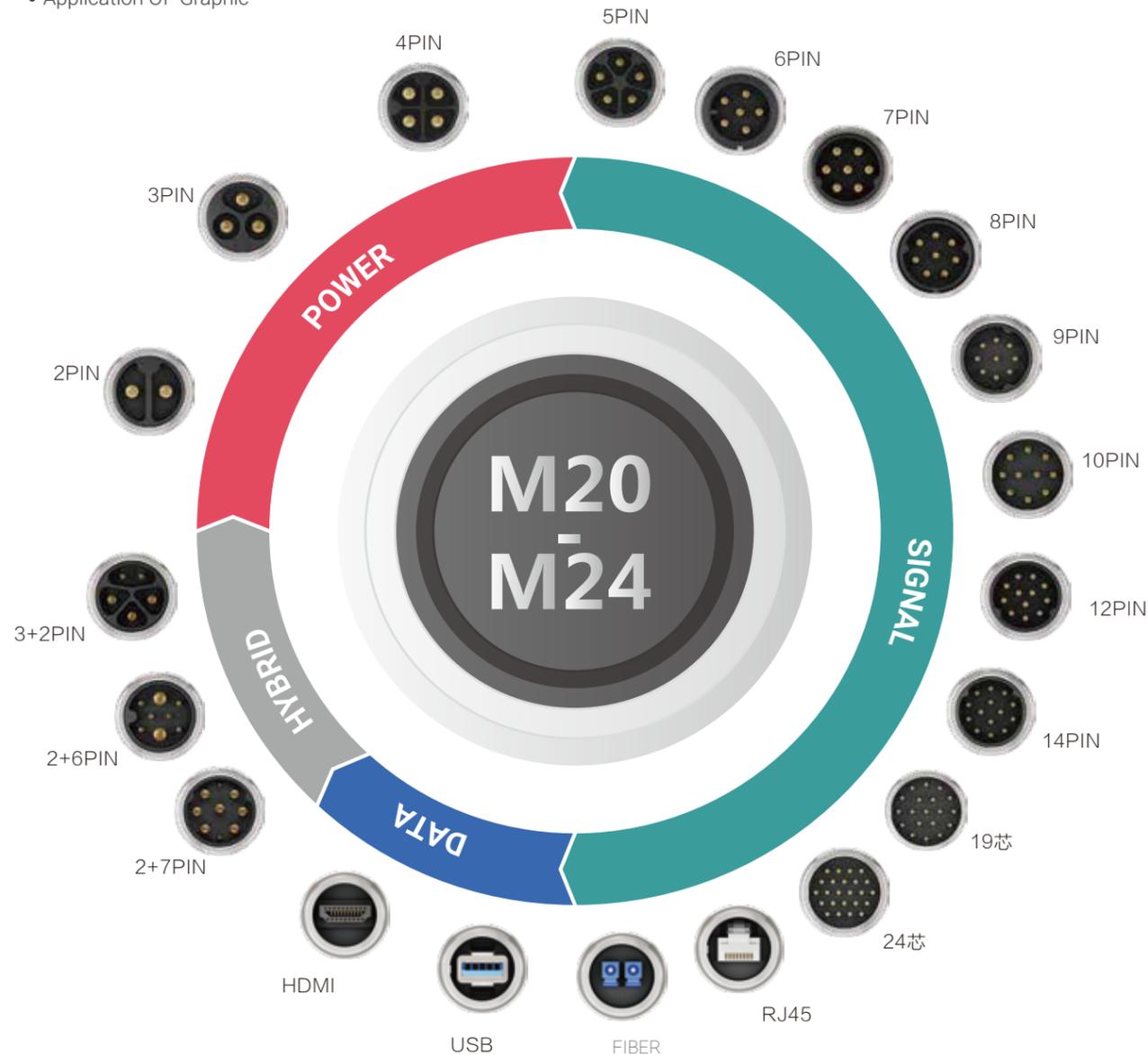
DH20 Information Summary

Product Application:
Power: 2/3/4/5pin
Signal：7/8/9/12/14pin
The voltage can arrive500v when the power connection is working, rated current 20A （2~4pin)12A(5、7pin),5A(9、 12、 14pin),the shielded connector can be chosen.

- Multi-core
  Cable Range:ø5.0～ø13.0mm

DH24 Information Summary

Product Application:
Power：3/4/5pin
Signal：7/8/9/12//10/19/24pin、RJ45、FIBRE
Data：USB、HDMI

The voltage can arrive 500v when the power connection is working, rated current 22A(3、4pin),10A (10、12pin),5A(19、14pin) ,the shielded connector can be chosen.

- Multi-core
  Power Cable range:ø10.0~ø14.0mm

- Signal Type
  RJ45 Cable Range:ø5.0~ø6.5mm
  FIBRE Cable Range: ø5.0~ø6.5mm

- Data Type
  USB Cable Range:ø5.0~ø6.5mm
  HDMI Cable Range:ø5.0~ø6.5mm

Characteristics

• Four kinds of bright colors can effectively distinguish power , signal, optical fiber and data to meet different needs.

• Alloy metal shell, layer upon layer process structure.

• Bayonet connection, safety and stability

• Gold-plated copper needle, all-metal shell, wear-resistant, anti-corrosive, waterproof and dust proof.

Termination
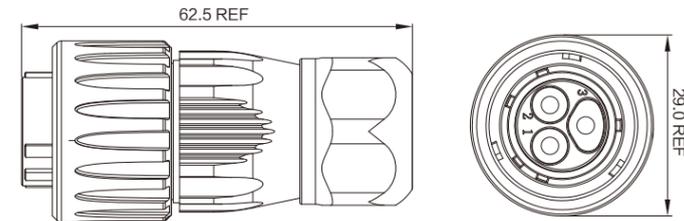• DH serials is with welding termination
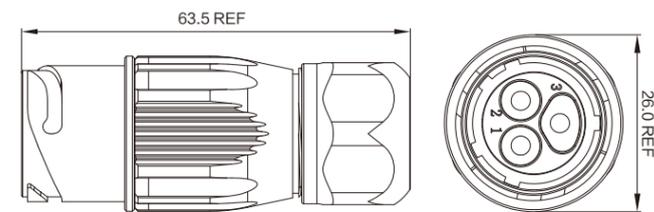

Stable and Safety connection
• Stable and Safety connection
  Military three - point screw lock connection, safe and stable.
• Different Installation Options

DH20 Appearance Dimension

■ **Cable connector**

62.5 REF
29.0 REF

■ **In-line Cable connector**

63.5 REF
26.0 REF

■ **Panel Mounting Rear Locking**

30.0 REF
31.0 REF
85.1 REF
23.8
φ28.0

■ **Flange Mounting**

φ20.0
31.5 REF
86.4 REF
30.0
22.0
22.0
32.7
φ3.20
φ21.0

DH-20

51   52
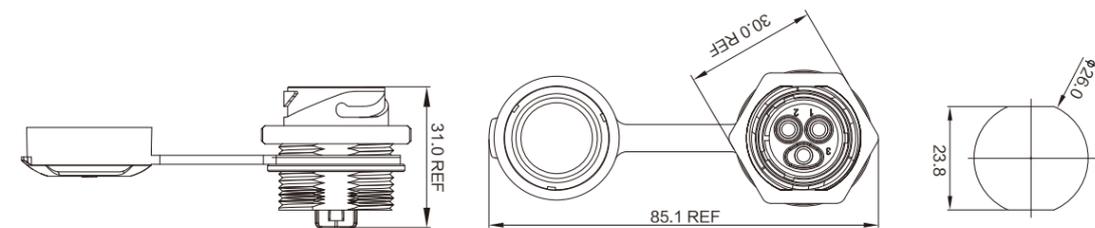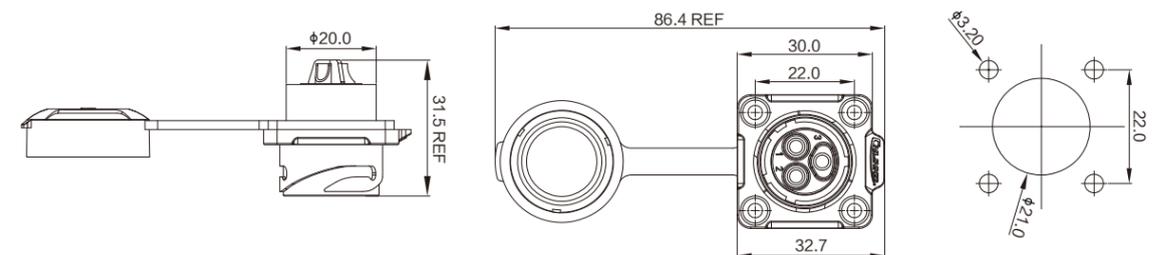
DH-20 Data Sheet

M20 Power + Signal	Product Series	DH-20									
	Pin Number	2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	9PIN	12PIN	14PIN
	Section diagram	PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	—	PIN / Mounting	—	PIN / Mounting	PIN / Mounting	PIN / Mounting
	Current Rating	20A				10A			5A		
	Voltage Rating	AC 500V				AC 500V			AC 250V		
	Cable range	Ø9.0~Ø13.0mm				Ø7.0~Ø10.0mm			Ø5.0~Ø6.5mm		
	Wire Gauge	2.5~4.0mm²/14~12AWG				1.0~1.5mm²/16AWG			0.34~0.75mm²/22~20AWG		
	IP Protection Class (Mated)	IP67（Mated）									
	Termination	Soldering	Soldering/ Screw Locking	Soldering							

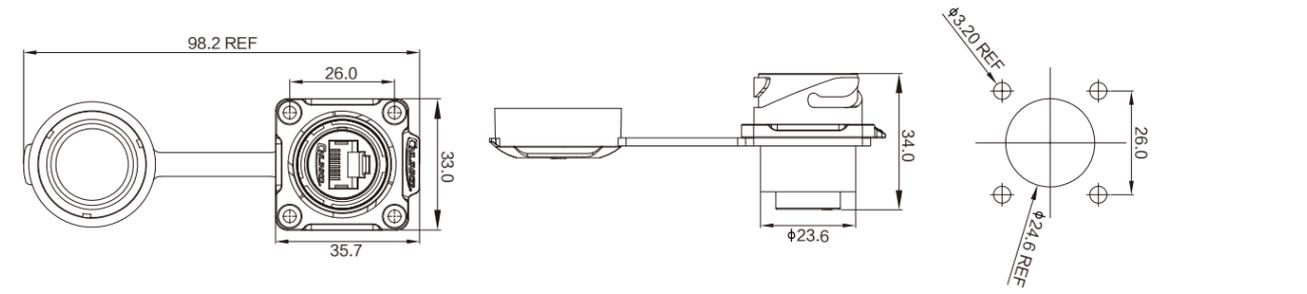| Product Picture	material		Part Number									
Cable connector	Metal	Male	DH-20-C02PE-03-001A	DH-20-C03PE-03-001A	DH-20-C04PE-03-001A	DH-20-C05PE-03-001A	—	DH-20-C07PE-03-001A	—	DH-20-C09PE-03-001A	DH-20-C12PE-03-001A	DH-20-C14PE-03-001A
		Female	DH-20-J02PE-03-001A	DH-20-J03PE-03-001A	DH-20-J04PE-03-001A	DH-20-J05PE-03-001A	—	DH-20-J07PE-03-001A	—	DH-20-J09PE-03-001A	DH-20-J12PE-03-001A	DH-20-J14PE-03-001A
In-line Cable connector		Male	DH-20-C02PP-03-001A	DH-20-C03PP-03-001A	DH-20-C04PP-03-001A	DH-20-C05PP-03-001A		DH-20-C07PP-03-001A		DH-20-C09PP-03-001A	DH-20-C12PP-03-001A	DH-20-C14PP-03-001A
		Female	DH-20-J02PP-03-001A	DH-20-J03PP-03-001A	DH-20-J04PP-03-001A	DH-20-J05PP-03-001A	—	DH-20-J07PP-03-001A	—	DH-20-J09PP-03-001A	DH-20-J12PP-03-001A	DH-20-J14PP-03-001A
Flange Mounting		Male	DH-20-C02SX-03-401A	DH-20-C03SX-03-401A	DH-20-C04SX-03-401A	DH-20-C05SX-03-401A	—	DH-20-C07SX-03-401A	—	DH-20-C09SX-03-401A	DH-20-C12SX-03-401A	DH-20-C14SX-03-401A
		Female	DH-20-J02SX-03-401A	DH-20-J03SX-03-401A	DH-20-J04SX-03-401A	DH-20-J05SX-03-401A	—	DH-20-J07SX-03-401A	—	DH-20-J09SX-03-401A	DH-20-J12SX-03-401A	DH-20-J14SX-03-401A
Flange Mounting with Metal chain		Male	DH-20-C02SX-03-402A	DH-20-C03SX-03-402A	DH-20-C04SX-03-402A	DH-20-C05SX-03-402A	—	DH-20-C07SX-03-402A	—	DH-20-C09SX-03-402A	DH-20-C12SX-03-402A	DH-20-C14SX-03-402A
		Female	DH-20-J02SX-03-402A	DH-20-J03SX-03-402A	DH-20-J04SX-03-402A	DH-20-J05SX-03-402A	—	DH-20-J07SX-03-402A	—	DH-20-J09SX-03-402A	DH-20-J12SX-03-402A	DH-20-J14SX-03-402A
Panel Mounting Rear Locking		Male	DH-20-C02SX-03-101A	DH-20-C03SX-03-101A	DH-20-C04SX-03-101A	DH-20-C05SX-03-101A	—	DH2-0-C07SX-03-101A	—	DH-20-C09SX-03-101A	DH-20-C12SX-03-101A	DH-20-C14SX-03-101A
		Female	DH-20-J02SX-03-101A	DH-20-J03SX-03-101A	DH-20-J04SX-03-101A	DH-20-J05SX-03-101A	—	DH-20-J07SX-03-101A	—	DH-20-J09SX-03-101A	DH-20-J12SX-03-101A	DH-20-J14SX-03-101A

DH-20

DH-24 Data Sheet

	Product Series	DH-24						RJ45	HDMI	USB	FIBER
M24 Power + Signal	Pin Number	3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45	HDMI	USB	FIBER
	Section diagram	PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting				
	Current Rating	25A		10A		5A		—		—	
	Voltage Rating	AC 500V		AC 400V		AC 250V		—		—	
	Cable range	Ø10.0~Ø14.0mm		Ø10.0~Ø13.0mm		Ø8.0~Ø14.0mm		Ø5.0~Ø6.5mm			—
	Wire Gauge	2.5~4.0mm²/14 -12AWG		1.0~1.5mm²/18 -16AWG		0.15~0.2mm²/26 -24AWG		26-24AWG			—
	IP Protection Class (Mated)	IP67（Mated)									
	Termination	Soldering									

Product Picture | **material** | **Part Numberr** (The bold font is a best-sell products)

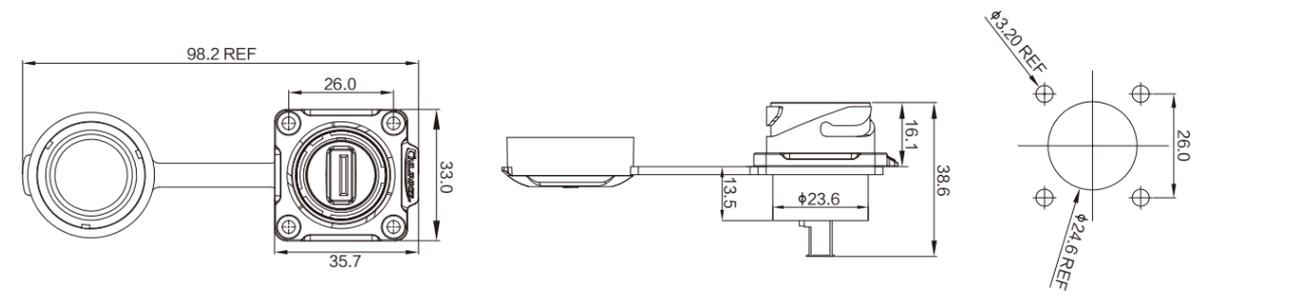| Product Picture	material		3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45	HDMI	USB	FIBER
Cable connector (3/4芯, 10/12/19/24芯)	Metal	Male	**DH-24-C03PE-03-001**	**DH-24-C04PE-03-001**	**DH-24-C10PE-03-001**	**DH-24-C12PE-03-001**	**DH-24-C19PE-03-001**	**DH-24-C24PE-03-001**	—	—	—	—
		Female	DH-24-J03PE-03-001	DH-24-J04PE-03-001	DH-24-J10PE-03-001	DH-24-J12PE-03-001	DH-24-J19PE-03-001	DH-24-J24PE-03-001	—	—	—	—
In-line Cable connector (3/4芯, 10/12/19/24芯)		Female	DH-24-J03PP-03-001	DH-24-J04PP-03-001	DH-24-J10PP-03-001	DH-24-J12PP-03-001	DH-24-J19PP-03-001	DH-24-C24PP-03-001	—	—	—	—
Flange Mounting (3/4芯, 10/12/19/24芯)		Male	DH-24-C03SX-03-401	DH-24-C04SX-03-401	DH-24-C10SX-03-401	DH-24-C12SX-03-401	DH-24-C19SX-03-401	DH-24-C24SX-03-401	—	—	—	—
		Female	**DH-24-J03SX**-03-401	**DH-24-J04SX**-03-401	**DH-24-J10SX**-03-401	**DH-24-J12SX**-03-401	**DH-24-J19SX**-03-401	**DH-24-J24SX**-03-401	—	—	—	—
Panel Mounting Rear Locking		Male	DH-24-C03SX-03-101	DH-24-C04SX-03-101	DH-24-C10SX-03-101	DH-24-C12SX-03-101	DH-24-C19SX-03-101	DH-24-C24SX-03-101	—	—	—	—
		Female	DH-24-J03SX-03-101	DH-24-J04SX-03-101	DH-24-J10SX-03-101	DH-24-J12SX-03-101	DH-24-J19SX-03-101	DH-24-J24SX-03-101	—	—	—	—
Flange Mounting with Metal chain		Male	DH-24-C03SX-03-402	DH-24-C04SX-03-402	DH-24-C010SX-03-402	DH-24-C12SX-03-402	DH-24-C19SX-03-402	DH-24-C24SX-03-402	—	—	—	—
		Female	DH-24-J03SX-03-402	DH-24-J04SX-03-402	DH-24-J10SX-03-402	DH-24-J12SX-03-402	DH-24-J19SX-03-402	DH-24-J24SX-03-402	—	—	—	—

DH-24

DH-24 Data Sheet

DH-24 Appearance Dimension

Product Series		DH-24			
Pin Number		RJ45	HDMI	USB	FIBER
Section diagram					
Current Rating		—			—
Voltage Rating		—			—
Cable range		Ø5.0~Ø6.5mm			
Wire Gauge		26-24AWG			—
IP Protection Class (Mated)		IP67（Mated）			
Termination		Soldering			

M24 Power + Signal

Product Picture	material		Part Number
RJ45	Metal	Male	DH-24-C/RJ45/015/PE-43-001
		① Female	DH-24-J/RJ45/213/SX-43-401
		② Female	DH-24-J/RJ45/213/SX-43-402
FIBER		Male	DH-24-C/LC/016/PE-43-001
		① Female	DH-24-J/LC/213/SX-43-401
		② Female	DH-24-J/LC/213/SX-43-101
USB		Male	DH-24-C/USB3/016/PE-43-001
		① Female	DH-24-J/USB3/213/SX-43-401
		② Female	DH-24-J/USB3/213/SX-43-402
		③ Female	DH-24-J/USB3/213/SX-43-402
HDMI		Male	DH-24-C/HDMI2/016/PE-43-001
		Female	DH-24-J/HDMI2/213/SX-43-402

RJ45 Flange Panel Mounting

USB Flange Panel Mounting

FIBER Flange Panel Mounting
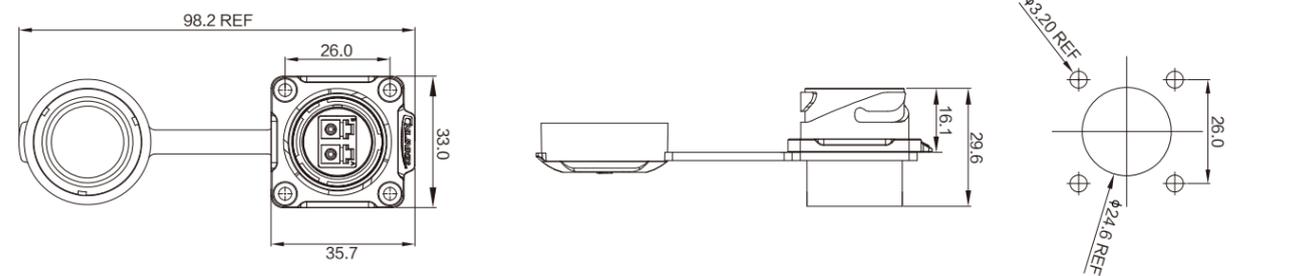
HDMI Flange Panel Mounting
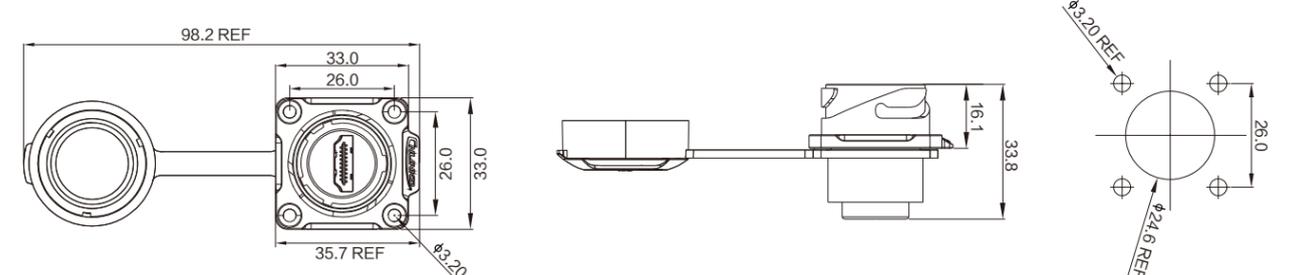
DH-24

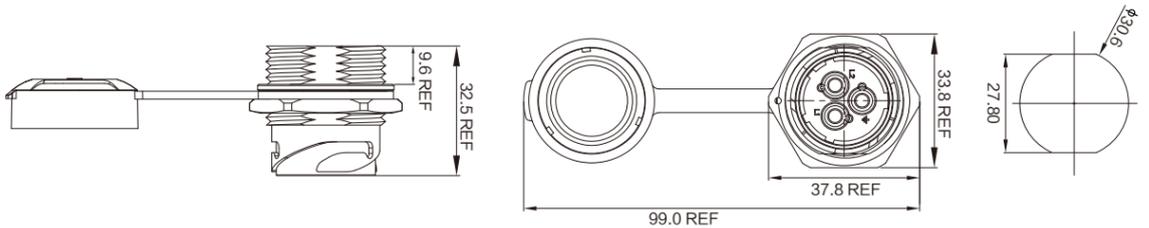## DH-24 Appearance Dimension

Cable connector

78.4 REF   33.3 REF

In-line Cable connector

78.4 REF   φ31.2 REF

Flange Mounting

98.2 REF
26.0
33.0
35.7
φ3.20 REF
36.7
26.0
φ23.6
φ24.6 REF

Panel Mounting Rear Locking

9.6 REF
32.5 REF
33.8 REF
27.80
φ30.6
37.8 REF
99.0 REF
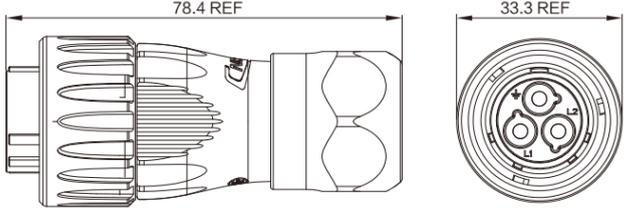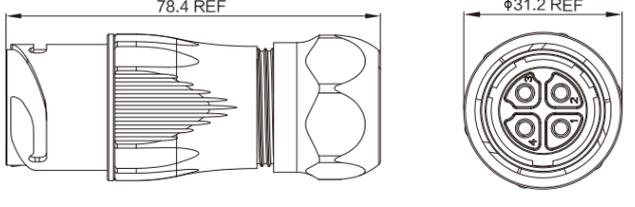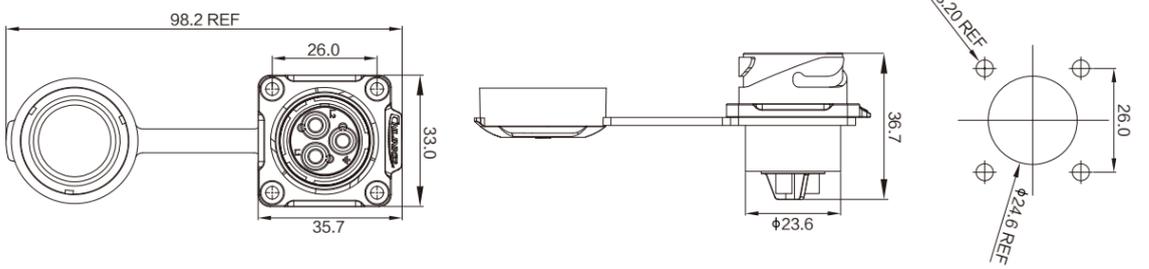
BD–24 Metal Connector

New BD-24 (M24 type) series waterproof connector, adopts streamlined dynamic design, one-button device end pressing and rapid plugging, in order to prevent the use of end due to manual operation improper key failure factors can effectively increase the service life of the product.

Precise internal construction and strong metal shell structure provide safe and stable connection and transmission performance, and guarantee the stability of electrical performance during the use of the equipment

BD-24

Wide range application fast locking connector

BD-24 series power and signal waterproof connectors can be used alone or fixed together to provide solutions for different industries equipment connection.Such as audio-visual equipment, medical equipment, industrial control, testing and measurement Equipment, AV system, broadcast television and communication industry and other fields.Suitable for connection of equipment installed in front and behind the board.
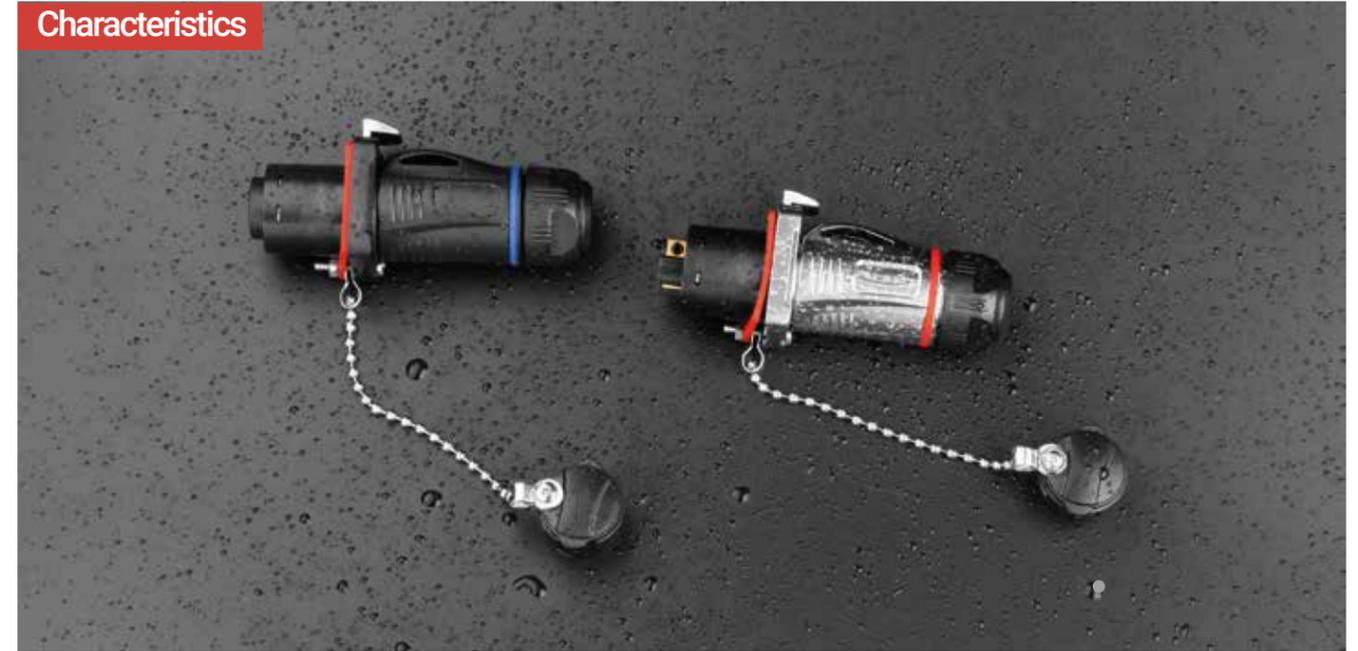
Product application:
Power supply: 3pin
Signal: RJ45
Working voltage up to 500V, rated current 25A, optional shielding connector.

- Multi-pin
  Power Cable Range: ø10.5~ø12mm

- RJ45 series
  Cable Range: ø5.5~ø7.0mm

- Multi-pin waterproof connector (metal housing)
  Now we have 3PIN (other pin number can be customized)
  Can be applied to power supply

- Multi-pin waterproof connector (plastic shell)
  3PIN is available for power supply

- RJ45 waterproof connector (metal housing)
  Can be applied to signal connections

- RJ45 waterproof connector (plastic housing)
  Can be applied to signal connections

Characteristics

Reliable waterproof
- When connecting, the protection level is up to IP67, providing good electrical protection performance for the equipment.

Termination
- BD-24 is with screw type connection

Multiple protection designs
- Metal /plastic shell design, various choices, perfect for various application scenarios .

Ergonomic shape design
- The appearance adopts integrated streamlined design
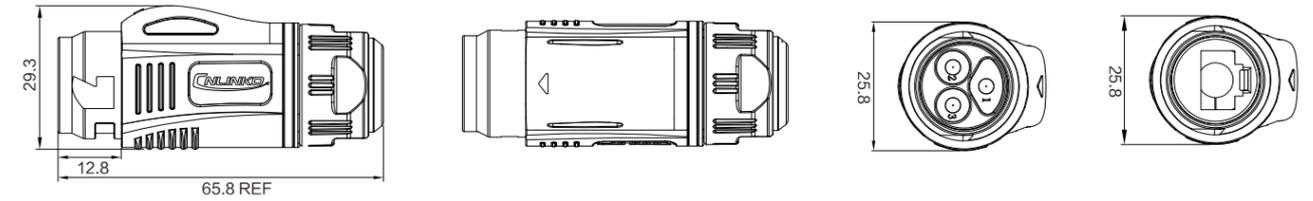
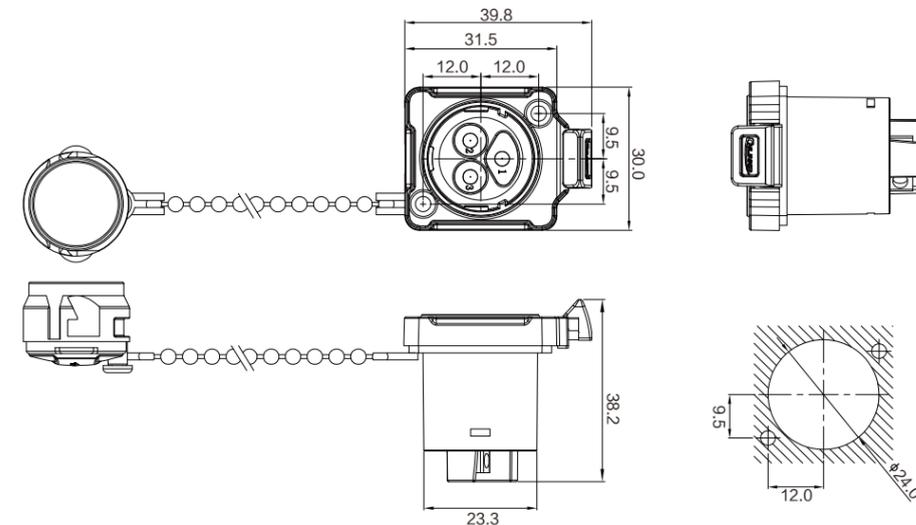Power with board mounting

RJ45 with board mounting

BD-24

Product Series		BD-24	
Pin Number		3PIN	RJ45
Section diagram		PIN Mounting	
Current Rating		25A	
Voltage Rating		AC 500V	
Cable range		Ø10.5~Ø12.0mm	Ø5.5~Ø7.0mm
Wire Gauge		2.5~4.0mm²/14-12AWG	26-24AWG
IP Protection Class (Mated)		IP67（Mated）	
Termination		Screw Locking	

M24 Power + Signal

Product Picture	material	Part Number	
3PIN	Plastic	Male	BD-24-C03PE-22-001	—
		Female	BD-24-J03SX-22-201	—
RJ45		Male	—	BD-24-C/RJ45/015/PE-42-001
		Female	—	BD-24-J/RJ45/213/SX-42-201
3PIN	Metal	Male	BD-24-C03PE-23-001	—
		Female	BD-24-J03SX-23-201	—
RJ45		Male	—	BD-24-C/RJ45/015/PE-43-001
		Female	—	BD-24-J/RJ45/213/SX-43-201

■ Cable connector

29.3
12.8
65.8 REF
25.8
25.8

■ Power Flange Panel Mounting

39.8
31.5
12.0 12.0
9.5 9.5
30.0
38.2
23.3
9.5
12.0
ø24.0

■ RJ45 Flange Panel Mounting

38.8
31.5
12.0 12.0
9.5 9.5
30.0
9.5
12.0
ø24.0
35.5
23.3
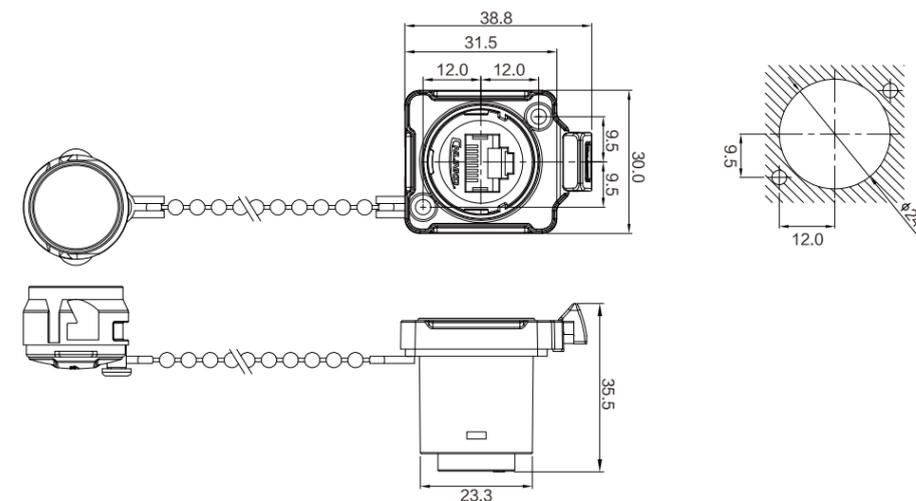
YF-24 Power Connector

Linko Electric's international standard YF-24 series power connector is designed with a unique plug-in locking method, which is easy to operate, safe and stable. Use color to distinguish the input and output of the power supply, thus effectively distinguishing the input and output terminals, and with the power coupler, can be used in the external mobile connection at the same time, increasing the flexibility of the device.

Latch design international universal equipment power connector

The block internal design and the integrated plastic case provide a safe and stable connection transmission performance, ensuring the stability of the electrical performance of the device during use.

Product application type:
Power: 3 Pin
The power connection can work up to 500V, rated current is 20A, and optional input/output connectors are available.

• Power cable range: ⌀5.0~⌀14.0mm

• IP Protection Class (Mated)：IP65
• Rated current: 20A

• IP Protection Class (Mated)：IP44
• Rated current: 20A

• Multiple color distinctions
  Paired with different color schemes, flexible pairing

• Left and right sockets
  Differentiate the sockets to distinguish applications

Power Connector

Cable connector

YF- 24-J03PE- 02- 001

YF- 24-J03PE- 02- 002

YF- 24- C03PE- 02- 001

YF- 24- C03PE- 02- 002

Flange Mounting

YF- 24-C03SX- 02- 001

YF–24–C03SX–02–002

YF- 24- J03SX- 02- 001

YF- 24- J03SX- 02- 002

Accessories

Waterproof Cap

Screws

• Waterproof Cap	In the condition non-working , it has dust and water-proof
• Screws	Fastener for socket and panel.

Unique Quick Lock Design

Locating Key

Gold-plated Copper Contact

Waterproof Rubber Ring

Characteristics

Latch Design system
• Unique snap-on + plug-in connection locking system for a more secure connection.
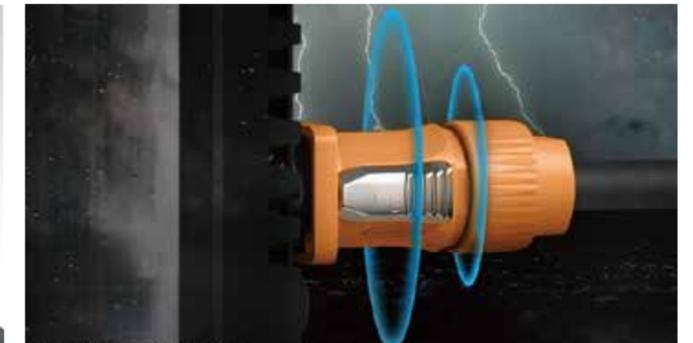
Excellent waterproof performance
• In the connected state, the protection level is IP65 and IP44, which is the device.Provide good electrical protection

• Panel mounting installation

Termination
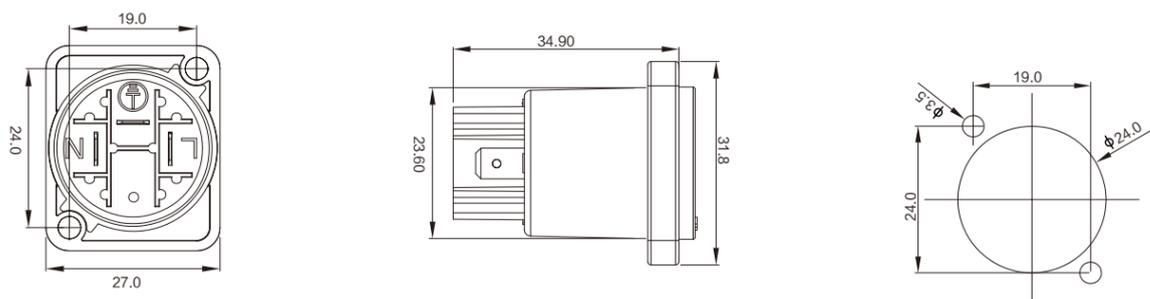• The Linko YF-24 waterproof connector plug uses a lock screw connection.

Appearance Dimension

■ Cable connector
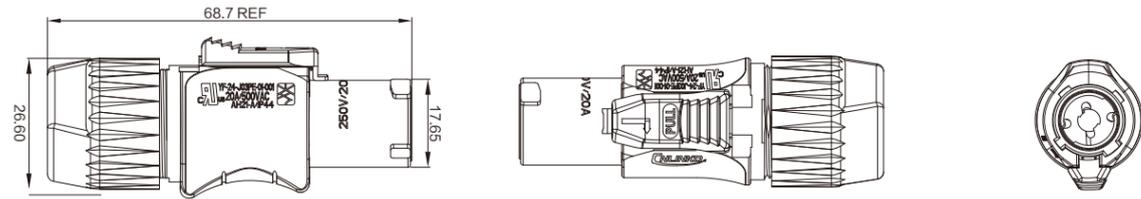
■ IP65 Panel Mounting
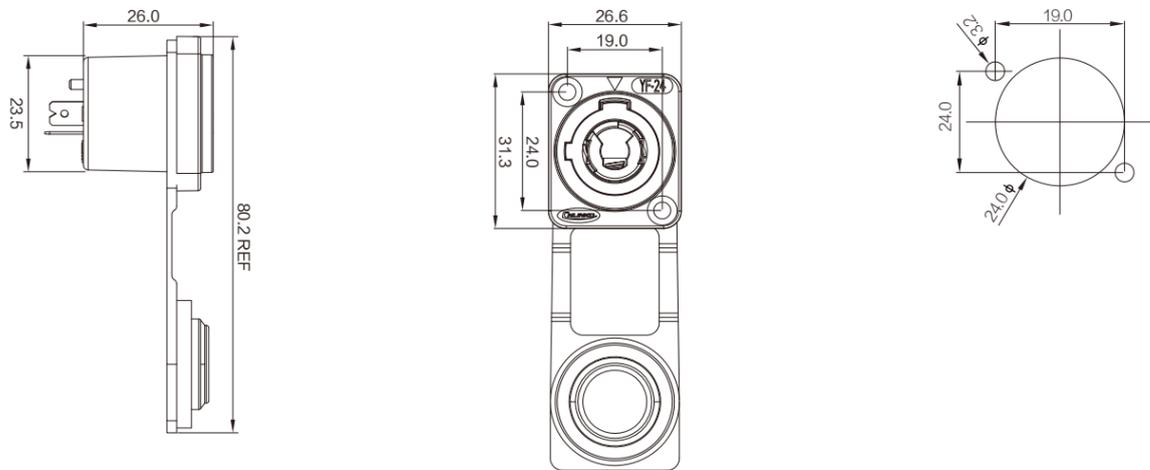
■ IP44 Panel Mounting

Data Sheet

	Product Series	YF-24		
M24 Power	Section diagram			
	Current Rating	20A		
	Voltage Rating	AC 500V		
	Cable range	∅9.0~ ∅14.0mm		
	Wire Gauge	2.5~4.0mm²/14-12AWG		
	IP Protection Class (Mated)	IP65(Mated)		
	Termination	Cable connector screwing / Panel Mounting soldering		
Cable connector				
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 Left)	
Panel Mounting				
YF- 24-C03SX- 02- 001 (IP65 Right)	YF- 24- J03SX- 02- 001 (IP65 Left)	YF- 24- J03SX- 02- 002 (IP65 Left)	YF-24-C03SX-02-002 (IP65 Right)	
Converter				
			—	
YF-24-J03SX-03-200 (IP44)	YF-24-J03SX-01-200 (IP44)	YF-24-C03SX-01-200 (IP44)		

YF-24

YT-RJ45 Signal Connector

Linko Signal YT-RJ45 connector provides solutions for signal transmission in demanding environments for Ethernet in audio, commercial, entertainment, on-site stage equipment, DMX lighting, industrial and outdoor network connectivity environments. The application in it is especially suitable. YT-RJ45 series provides cable sheathing, assembled female plug, straight-through plug, cable coupler and protection style. IP65/IP67 protection level is the strongest protection for the installation box.

Industrial Profession Signal Connector

The international accepted Linko YT-RJ45 dedicated signal supply waterproof connector provides a signal connection solution for the device. Excellent and stable electrical performance is often applied to the power connection of LED display devices, mechanical equipment, stage lighting. It is suitable for device connection before and after board installation. It can also be used for system docking outside the device..

Product Application Type:
• Signal: RJ45
The voltage up to 42V and rated current is 1.2A. Optional shielded connectors are available.
Signal Cable Range: ⌀5.5~⌀7.0mm

• customizable
Cable Customization be accepted

• Multiple styles available
Both different materials and different connection methods be accepted

Main Advantage:
• According to EIA568B and ISO/IEC11801 standard conforms to D pole or CAT3e, compatible with CAT5e, can achieve to 10GBIT/S data transmission rate;
• Multi-style connection design, 1/4 quick bayonet connection (YT01), quick plug (YT10);
• The cable jacket has a sturdy die-cast housing and a unique double clip cable clamp;
• Shielding system---high frequency noise immunity and electromagnetic interference protection;
• Both indoor and outdoor design, the product meets IP65/IP67 protection level when mated.

• Superior anti-shielding capability for metal shell, faster transmission, more stable and safer

• Built-in 8-pin RJ45 interface, threaded connection, compact and reliable

• Passed thousands times of life testing

• Ergonomic structural design, technology, art, performance in one step

• Precision structure Metal shield appearance High-speed transmission crystal plug

Characteristics

YT-RJ45 (10-002) be used on device control box

Excellent waterproof / dustproof performance

• Protection level up to IP67 when connected, providing good electrical protection for the equipment

Cable Jacket

• Part of the plug is designed with a tail cable jacket to prevent cable from being folded.

1/4 quick bayonet lock

• The 1/4 quick bayonet is connected to the locking system for a more secure connection.

• Multiple connection methods

Multi-style matching

• Multi-material and multi-style options to meet different application needs
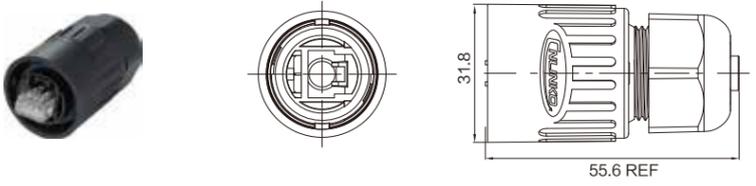

Connection schema

Panel mounting

YT-RJ45

Data Sheet

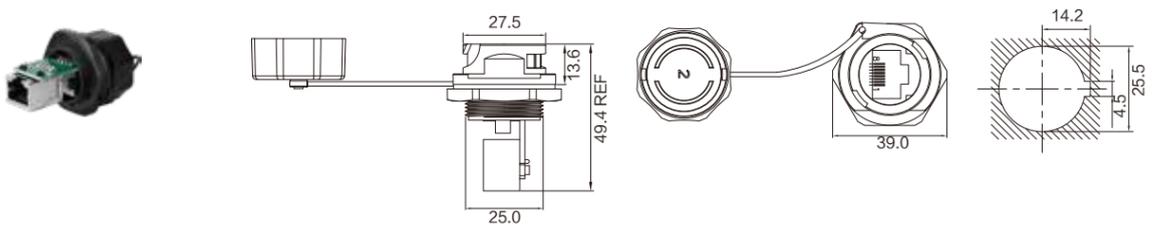| Product Series	YT-RJ45	
Type	RJ45	
RJ45 Signal / Section diagram	Cable Connector	Panel Mounting
Current Rating	—	
Voltage Rating	—	
Cable range	∅5.5~∅7.0mm	
Wire Gauge	26-24AWG	
IP Protection Class (Mated)	IP67(Mated)	
Termination	1/4 quick bayonet connection / plug-in connection / push-pull connection	

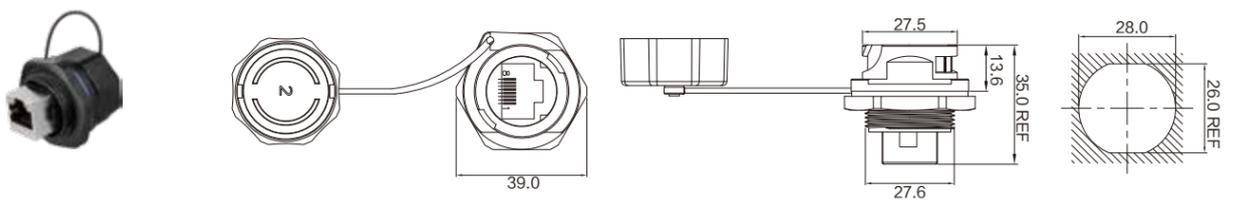|	Circular Metal			Circular Plastic		Square Metal		Square Plastic	
Cable connector	YT-RJ45-CPE-10-001(IP44)	YT-RJ45-CPE-10-002	YT-RJ45-CPE-11-00	YT-RJ45-CPE-01-001	YT-RJ45-CPE-29-001	YT-RJ45-CPE-03-001		YT-RJ45-CPE-13-001	YT-RJ45-CPE-05-001
Mounting	YT-RJ45-JSX-16-001	YT-RJ45-JSX-17-001	YT-RJ45-JSX-22-002	YT-RJ45-JSX-21-002	YT-RJ45-JSX-04-002	YT-RJ45-JSX-29-001	YT-RJ45-JSX-05-003	YT-RJ45-JSX-05-001	YT-RJ45-JSX-05-002	YT-RJ45-JSX-07-001
	YT-RJ45-JSX-24-002	YT-RJ45-JSX-25-001	YT-RJ45-JSX-32-001	YT-RJ45-JSX-26-001(IP44)	YT-RJ45-JSX-01-001	YT-RJ45-JSX-29-004	YT-RJ45-JSX-04-001	YT-RJ45-JSX-10-001	YT-RJ45-JSX-02-001	YT-RJ45-JSX-08-001
	YT-RJ45-JSX-18-001(IP44)	YT-RJ45-JSX-19-001(IP44)	YT-RJ45-JSX-21-001(IP44)	YT-RJ45-JSX-22-001(IP44)	—	—	YT-RJ45-JSX-11-001		—	—

Appearance Dimension
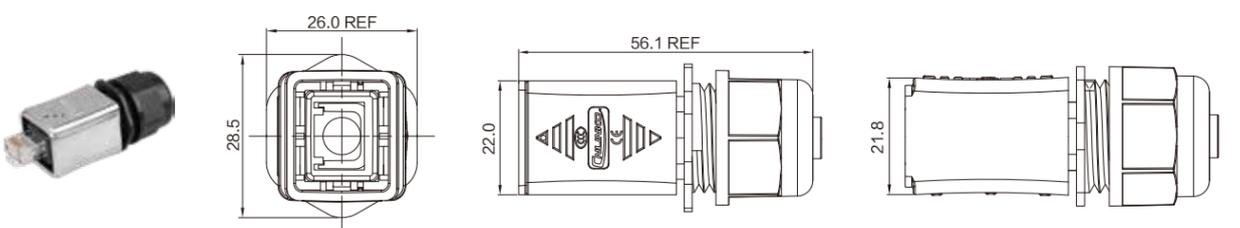
■ Cable connector   YTRJ45-CPE-01-001

31.8

55.6 REF

■ Panel Mounting   YT-RJ45-JSX-01-001

27.5
13.6
49.4 REF
25.0

14.2
25.5
4.5
39.0

■ Panel Mounting   YT-RJ45-JSX-04-002

27.5
13.6
35.0 REF

28.0
26.0 REF

39.0
27.6

■ Cable connector   YT-RJ45-CPE-03-001

26.0 REF
28.5
22.0
56.1 REF
21.8

■ Panel Mounting   YT-RJ45-JSX-05-003

76.6
32.0
12.0
9.5
28.0

30.5
40.4

12.0 12.0
19.5
9.5
R3.2
20.5
R12.0
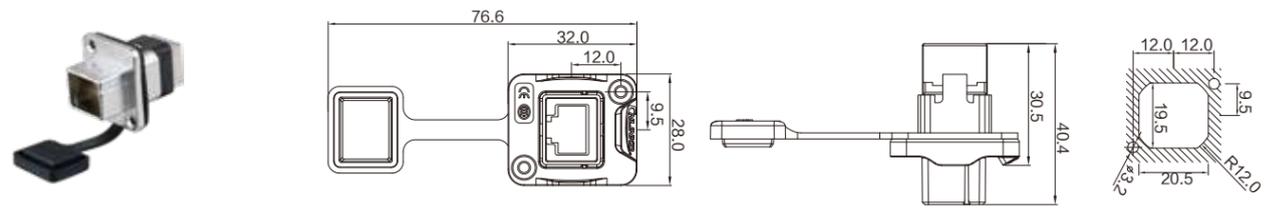
■ Cable connector   YT-RJ45-CPE-05-001

24.52
25.28

71.75 REF
24.49

■ Cable connector   YT-RJ45-CPE-13-001
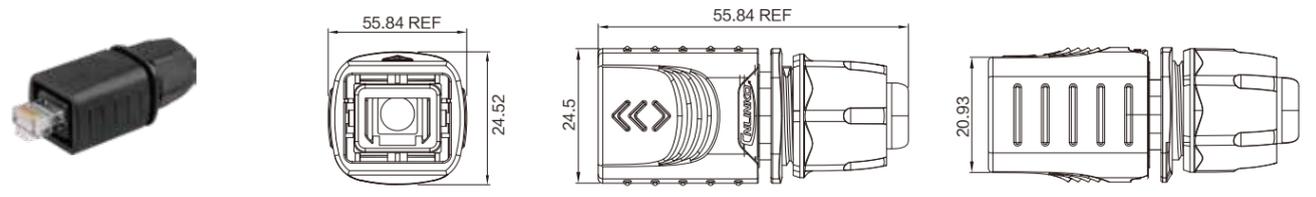
55.84 REF
24.52

55.84 REF
24.5

20.93

■ Panel Mounting   YT-RJ45-JSX-02-001

79.1
31.0
24.0
22.0
29.0

16.5
55.8

24.0
20.0
23.0
22.0

■ Panel Mounting   YT-RJ45-JSX-08-001

31.0
24.0
22.0
29.0

79.1 REF

50.7
18.0

24.0
20.0
23.0
22.0
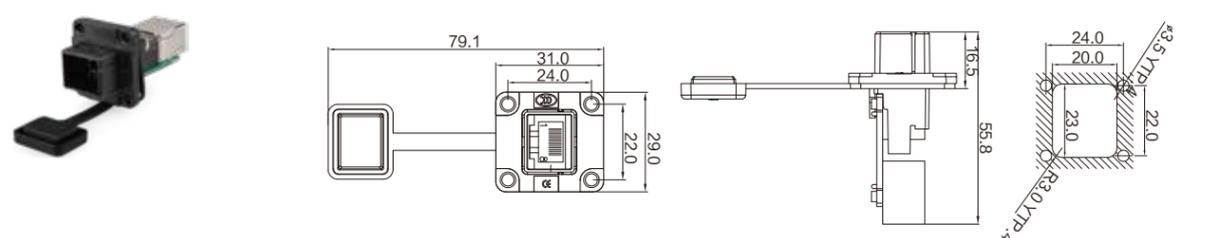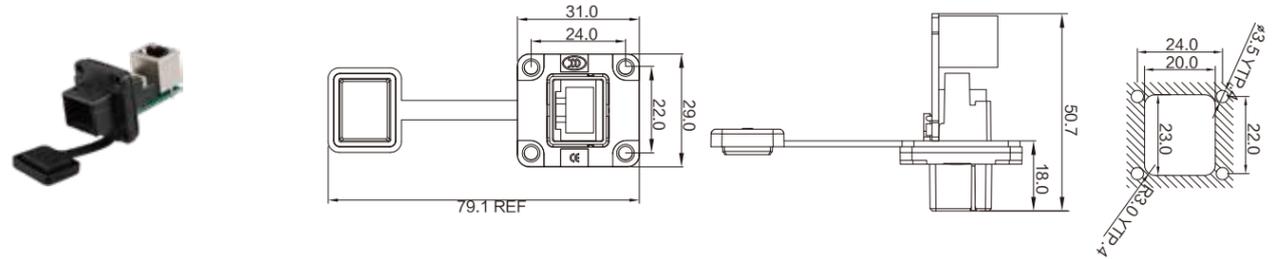
■ Cable connector YT-RJ45-CPE-11-001/2

22.5

18.7

57.3 REF

■ Cable connector YT-RJ45-CPE-10-001/2
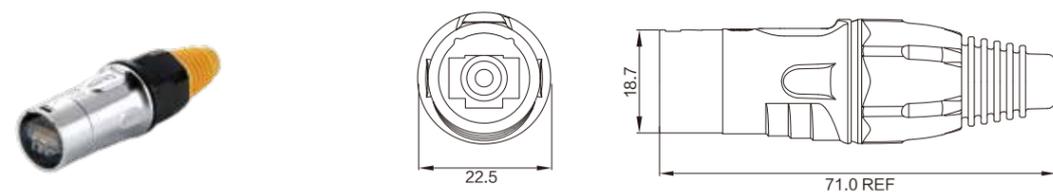
18.7

22.5

71.0 REF

■ Panel Mounting   YT-RJ45-JSX-16-001

68.6

33.7

12.0

9.5

28.1

9.5

11.6

40.6

29.0

9.5

9.5

3.2

12.0

ø24.0

■ Panel Mounting   YT-RJ45-JSX-17-001

68.6

33.7

12.0

9.5

28.1

9.5

37.5 REF

29.6

9.5

9.5

3.2

12.0

ø24.0
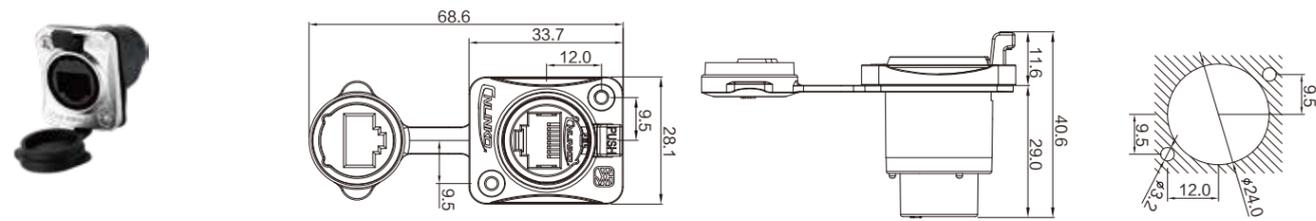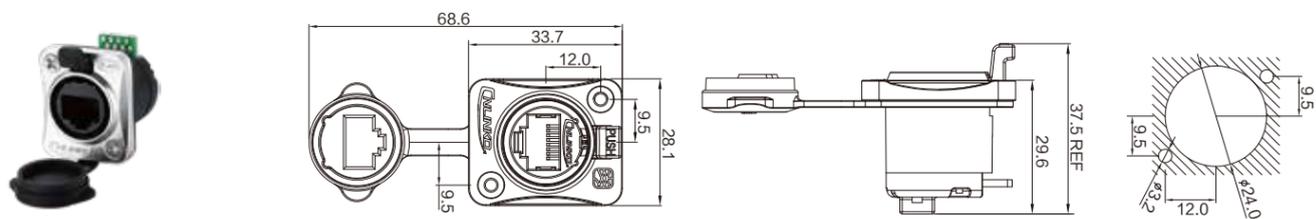
■ Cable connector YT-RJ45-CPE-29-001

65.7 REF

26.0

■ Panel Mounting   YT-RJ45-JSX-29-001

35.3

96.5

28.5

ø21.0

9.0
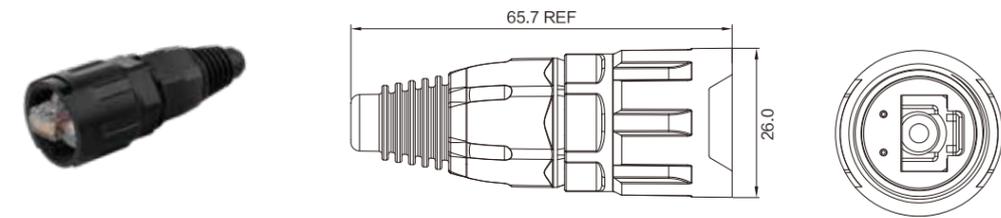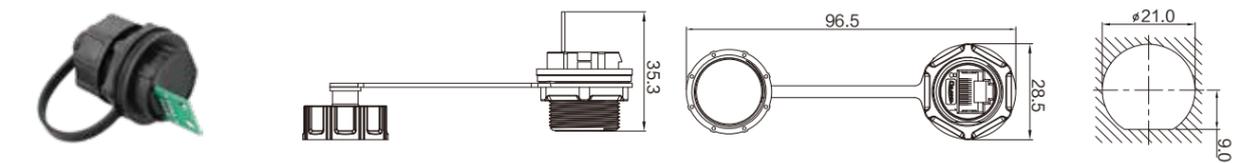
■ Panel Mounting   YT-RJ45-JSX-29-004

27.9

96.5

28.5

ø21.0

9.0
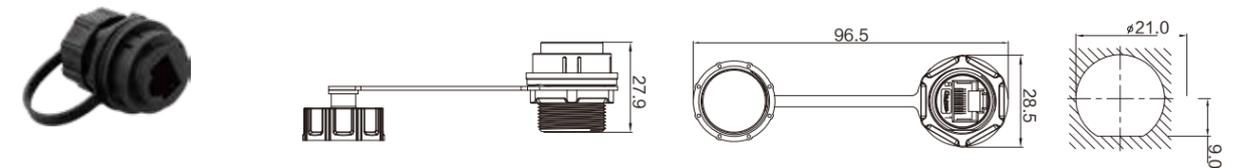
YM-20Multi-Application Round Plastic Waterproof Connector

CNLINKO Electric YM-20 (M-20 type) series connector uses PBT performance injection molding material, to ensure the stability of the product ,which can be multi-core design & meet the power supply and signal requirements of multiple equipment. The central part of the distinctive shell logo highlights the latest design of CNLINKO.

Product application type:
Power：2/3/4/5pin
Signal：7/9/12pin
The power connection working voltage can be up to 500V, current rating is 20A (2、3、4 pin),
12A (5、7 pin), 5A (9、12 pin), and shielded connection is also available.

- Multiple PIN
  Power Cable Range: ∅9.0~∅12.0mm
  Signal Cable Range: ∅5.0~∅6.5mm

Reliable waterproof
- When connecting, the protection level is up to IP67, providing good electrical protection performance for the equipment.

Multicore waterproof connectors
- Available (2、3、4、5、7、9、12pin)
  It can be used in connection of power supply and mixed signal.

Main Advantage:
- The shell is made of imported PBT material and has good fireproof, compressive, anti-explosive and anti-deformation properties.
- Gold-plated contacts, high-strength corrosion resistance and electrical conductivity,can effectively cope with changes in temperature rise that caused by current;
- 1/4 quick bayonet connection is easy to operate and easy to install;
- Current rating: 5A/12A/20A;
- The product is IP67 rated in the connected condition.

Characteristics

YM-20

Reliable Waterproof Performance
- Protection level can be up to IP67 when mated, which can provide good electrical protection for the equipment

Wiring Assembly
- CNLINKO M20 waterproof connector is soldered with wires.

Stable and secure connection
- It is convenient, fast, safe and secure with snap-on locking connection.

Schematic
- Precising structural positioning system ensures safe and stable connection performance

Installation method
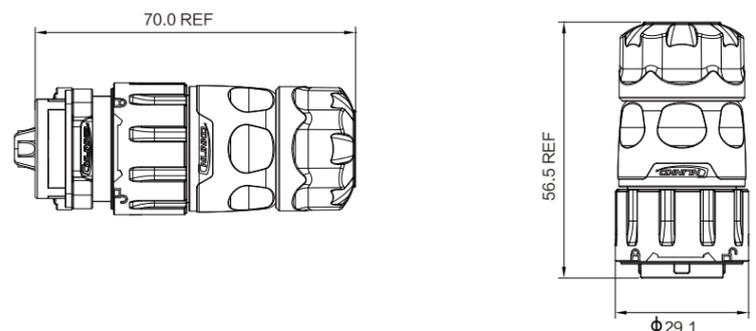- The socket is mounted on a flange panel making it convenient & stable.

Data Sheet

Product Series		YM-20									
Pin Number		2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	9PIN	12PIN	14PIN
Section diagram		PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	—	PIN / Mounting	—	PIN / Mounting	PIN / Mounting	PIN / Mounting
Current Rating		20A			10A				5A		
Voltage Rating		AC 500V			AC 500V				AC 250V		
Cable range		∅9.0~∅13.0mm							∅7.5~∅10.0mm		
Wire Gauge		2.5~4.0mm²/14-12AWG			1.0~1.5mm²/18-16AWG				0.34~0.75mm²/22-20AWG		
IP Protection Class (Mated)		IP67（Mated）									
Termination		Screw Locking									

M20 Power + Signal

Product Picture	material		Part Number (The bold font is a best-sell products)									
Cable connector	Plastic	Male	**YM-20-C02PE-02-001A**	**YM-20-C03PE-02-001A**	**YM-20-C04PE-02-001A**	**YM-20-C05PE-02-001A**	—	**YM-20-C07PE-02-001A**	—	**YM-20-C09PE-02-001A**	**YM-20-C12PE-02-001A**	**YM-20-C14PE-02-001A**
		Female	YM-20-J02PE-02-001A	YM-20-J03PE-02-001A	YM-20-J04PE-02-001A	YM-20-J05PE-02-001A	—	YM-20-J07PE-02-001A	—	YM-20-J09PE-02-001A	YM-20-J12PE-02-001A	YM-20-J14PE-02-001A
Flange Mounting		Male	YM-20-C02SX-02-401A	YM-20-C03SX-02-401A	YM-20-C04SX-02-401A	YM-20-C05SX-02-401A	—	YM-20-C07SX-02-401A	—	YM-20-C09SX-02-401A	YM-20-C12SX-02-401A	YM-20-C14SX-02-401A
		Female	**YM-20-J02SX-02-401A**	**YM-20-J03SX-02-401A**	**YYM-20-J04SX-02-401A**	**YM-20-J05SX-02-401A**	—	**YM-20-J07SX-02-401A**	—	**YM-20-J09SX-02-401A**	YM-20-J12SX-02-401A	YM-20-J14SX-02-401A

Appearance Dimension

■ Cable Connector

70.0 REF
56.5 REF
φ29.1

■ Flange Mounting

31.2
24.0
26.5
19.0
23.9
6.6
19.0
24.0
φ22.5
φ3.2
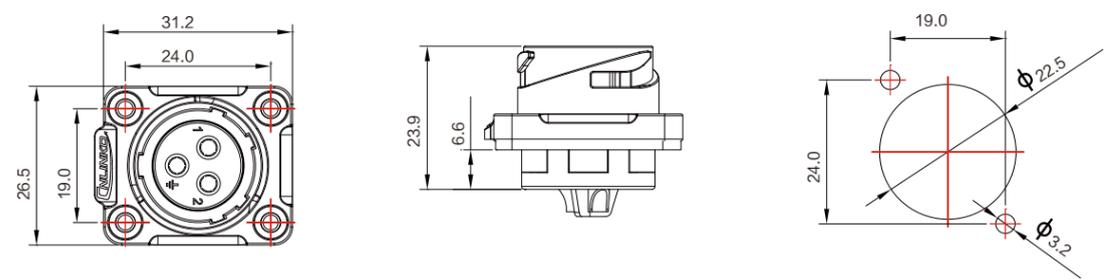
YA-20Automatic Cap Rebound Waterproof Connector

CNLINKO YA-20 (M-20) series is widely used in industrial LED display, audio, commercial, with unique bayonet design, rotary locking and easy operation.Entertainment, on-site stage equipment, DMX lighting, industrial equipment, including a range of multi-pin metal connectors, this series not only provides male, female and socket, its reliable and fast locking system ensures complete connection by soldering.

Product application type:
Power: 2/3/4/5 pin
Signal: 7/9/12 pin

The power connection working voltage can be up to 500V, current rating is 20A (2、3、 4 pin), 12A (5、7 pin), 5A (9、12 pin), and shielded connection is also available.

- Multiple PIN
  Power Cable Range: ∅9.0~∅13.0mm
  Signal Cable Range: ∅5.0~ ∅6.5mm

Multicore waterproof connectors
- Available (2、3、4、5、7、9、12pin)
  It can be used in connection of power supply and mixed signal.

Main Advantage:

- Use plastic and alloy external protective materials to effectively reduce electromagnetic and signal RF interference generated by external high current;
- Gold-plating contacts, high-strength corrosion resistance and electrical conductivity, effectively coping with changes in temperature rise caused by current;
- with changes in temperature rise caused by current;
- Automatic flip cover dust protection cover to effectively protect the internal components of the socket in real time;
- Current rating: 5A/12A/20A;
  The product meets the IP67 protection level when mated.

Reliable waterproof performance
- Protection level up to IP67 in connection, providing good electrical protection for the equipment.

Wiring assebly
- CNLINKO M20 waterproof connector adopts soldering wiring secure connection.
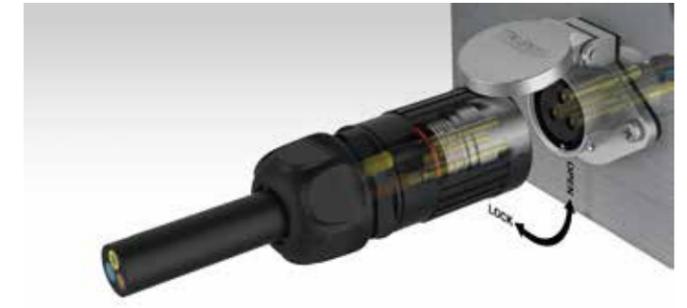
Fast and secure with snap-on locking
- The precise structure positioning system ensures the safety and stability of the connection performance.

Schematic
- The precise structure positioning system ensures the safety and stability of the connection performance.

Installation method
- The socket is mounted in a two-hole, it can be used for front mounting.

Data Sheet

| Product Series		YA-20										
Pin Number		2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	9PIN	12PIN	14PIN	
Section diagram		PIN Mounting	PIN Mounting	PIN Mounting	PIN Mounting	—	PIN Mounting	—	PIN Mounting	PIN Mounting	PIN Mounting	
Current Rating		20A				10A			5A			
Voltage Rating		AC 500V				AC 500V			AC 250V			
Cable range		Ø9.0~Ø13.0mm				Ø7.0~Ø10.0mm			Ø7.0~Ø10.0mm			
Wire Gauge		2.5~4.0mm²/14-12AWG				1.0~1.5mm²/18-16AWG			0.34~0.75mm²/22-20AWG			
IP Protection Class (Mated)		IP67（Mated）										
Termination		Screw Locking										

M20 Power + Signal

Product Picture	material	Part Numberr (The bold font is a best-sell products)										
Cable connector	Plastic / Metal	Male	YA-20-C02PE-01-001A	YA-20-C03PE-01-001A	YA-20-C04PE-01-001A	YA-20-C05PE-01-001A	—	YA-20-C07PE-01-001A	—	YA-20-C09PE-01-001A	YA-20-C12PE-01-001A	YA-20-C14PE-01-001A
		Female	YA-20-J02PE-01-001A	YA-20-J03PE-01-001A	YA-20-J04PE-01-001A	YA-20-J05PE-01-001A	—	YA-20-J07PE-01-001A	—	YA-20-J09PE-01-001A	YA-20-J12PE-01-001A	YA-20-J14PE-01-001A
Cable connector		Male	YA-20-C02PE-03-001A	YA-20-C03PE-03-001A	YA-20-C04PE-03-001A	YA-20-C05PE-03-001A	—	YA-20-C07PE-03-001A	—	YA-20-C09PE-03-001A	YA-20-C12PE-03-001A	YA-20-C14PE-03-001A
		Female	YA-20-J02PE-03-001A	YA-20-J03PE-03-001A	YA-20-J04PE-03-001A	YA-20-J05PE-03-001A	—	YA-20-J07PE-03-001A	—	YA-20-J09PE-03-001A	YA-20-J12PE-03-001A	YA-20-J14PE-03-001A
Flange Mounting		Male	YA-20-C02SX-03-201A	YA-20-C03SX-03-201A	YA-20-C04SX-03-201A	YA-20-C05SX-03-201A	—	YA-20-C07SX-03-201A	—	YA-20-C09SX-03-201A	YA-20-C12SX-03-201A	YA-20-C14SX-03-201A
		Female	YA-20-J02SX-03-201A	YA-20-J03SX-03-201A	YA-20-J04SX-03-201A	YA-20-J05SX-03-201A	—	YA-20-J07SX-03-201A	—	YA-20-J09SX-03-201A	YA-20-J12SX-03-201A	YA-20-J14SX-03-201A

Appearance Dimension

■ **Cable Connector**

62.0 REF
Φ26.8 Φ18.0

■ **Flange Mounting**
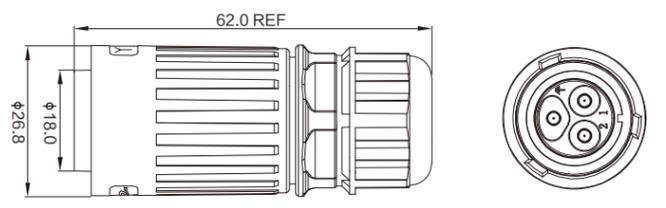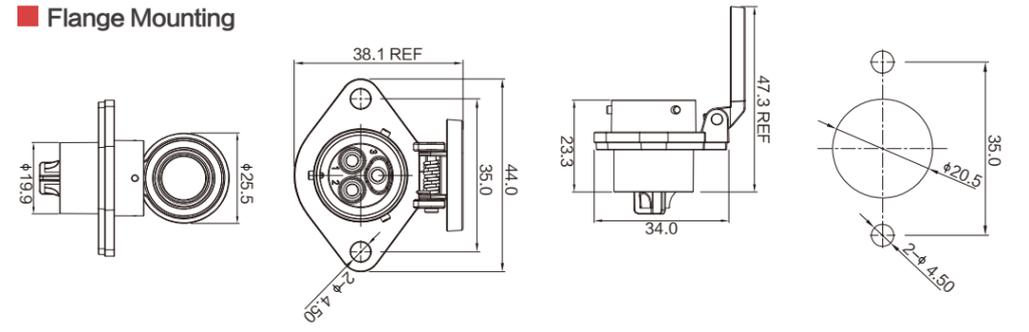
38.1 REF
47.3 REF
23.3
Φ19.9 Φ25.5
44.0 35.0
34.0
35.0 Φ20.5
2-Φ 4.50

YW Waterproof Connector Application Type

YW series shell using zinc alloy casing, effectively protects against safety and signal shielding, and adopts screw-type locking, which is more firm and reliable. widely used in Industrial LED screen design, audio and video transmission and other industrial equipment use.

Threaded Circular Waterproof Wonnector

Threaded circular waterproof connector use of zinc alloy material shell, effective safety and signal shielding protection, using spiral type Lock tightly, more firm and reliable.

- Product information
  Series： YW-16 、YW-20
  Size： M16、M20
  Pin Number：（2、3、4、5、7、8、9、12Pin）
  Materiall： Alloy + Plastic PBT

- Application Type:

POWER SIGNAL HYBRI

4PIN 5PIN 3PIN 7PIN 2PIN 9PIN 3+2PIN 2+6PIN 2+7PIN 12PIN

M16-M20

YW

89

90
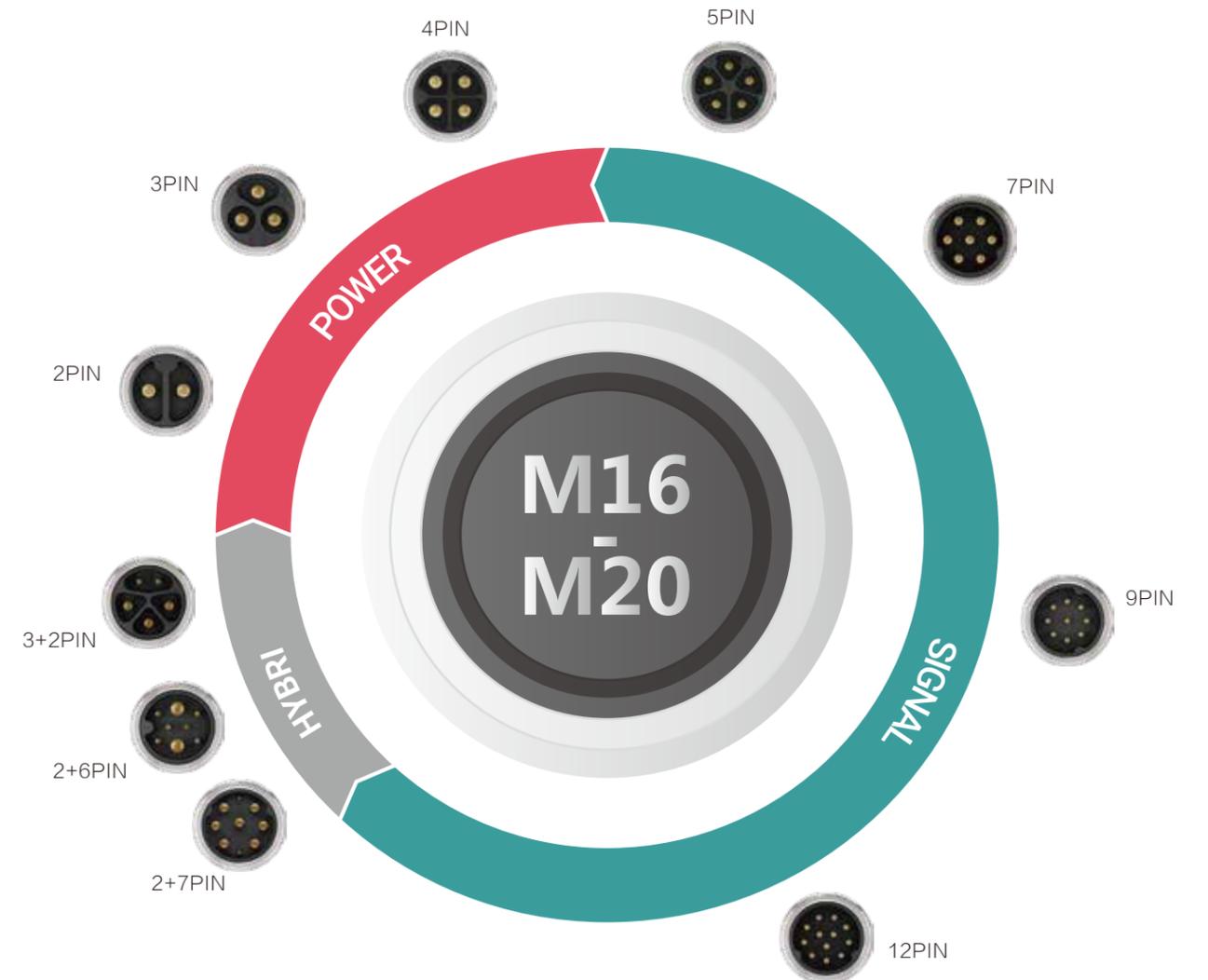
YW-16 Series Information Overview

Product application type:

Power: 3pin

Signal: 9 pin

Power connection working voltage is up to 500V, current rating is 10A(3pin),5A(9pin).

- Multiple PIN

  Cable Range: ∅3.0~∅9.0mm

YW-20 Series Information

Product application type:

Power: 2/3/4/5 pin

Signal: 7/8/9/12pin

Power connection working voltage is up to 500V, current rating is 20A(2、3、4pin), 12A(5、7pin).

5A(9、12pin).

- Multiple PIN

  Cable Range: ∅5.0~∅13.0mm

Main Advantage:

- Quick and easy mount locking system;
- Outer ring thread locking device, stable and safe;
- Full zinc alloy casing with complete electromagnetic and RF interference protection, while meeting the matching needs of high-end products;
- he hanging dust cover design effectively prevents the entry of objects under non-working state with high safety performance and convenient operation;

Characteristics

Reliable waterproof performance

- The protection level is IP67 when mated , which provides good electrical protection for the equipment.

Wiring Assembly

- CNLINKO YW waterproof connector adopts soldering.

Secure connection

- Secured with a threaded locking device.

Schematic

- The precise structure positioning system ensures the safety and stability of the connection performance.
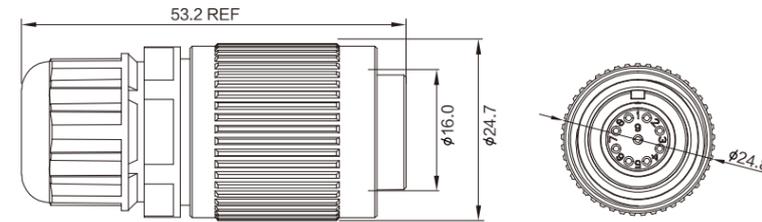
Installation method

- The socket is flanged and single-hole panel for easy and stable connection. It can be used for front or rear connection.
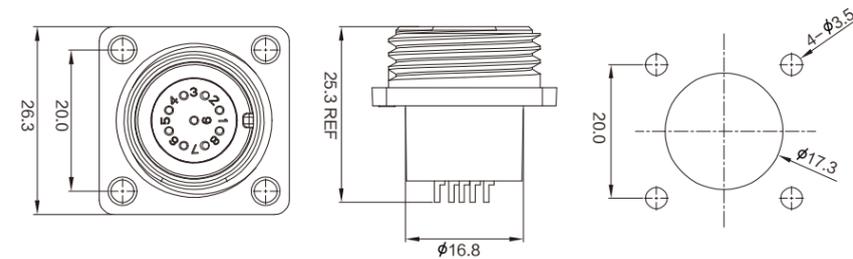
YW-16 Data Sheet

Product Series		YW-16	
Pin Number		3PIN	9PIN
Section diagram		PIN / Mounting	PIN / Mounting
Current Rating		10A	5A
Voltage Rating		AC 400V	AC 250V
Cable range		Ø5.5~Ø9.0mm	Ø5.5~Ø9.0mm
Wire Gauge		1.0~1.5mm²/18-16AWG	0.34mm²~0.75mm²/22-20AWG
IP Protection Class (Mated)		IP67（Mated）	
Termination		Screw Locking	

M16 Power + Signal

Product Picture	material	Part Number	
Cable connector	Metal	Male	YW-16-C03PE-03-001A	YW-16-C09PE-03-001A
		Female	YW-16-J03PE-03-001A	YW-16-J09PE-03-001A
Flange Mounting Rear Locking		Male	YW-16-C03SX-03-401A	YW-16-C09SX-03-401A
		Female	YW-16-J03SX-03-401A	YW-16-J09SX-03-401A
Panel Mounting Rear Locking		Male	YW-16-C03SX-03-101A	YW-16-C09SX-03-101A
		Female	YW-16-J03SX-03-101A	YW-16-J09SX-03-101A

Appearance Dimension

Cable Connector

53.2 REF Ø16.0 Ø24.7 Ø24.8

Flange Panel Mount

26.3 20.0 25.3 REF Ø16.8 4-Ø3.5 20.0 Ø17.3

Panel Mounting Rear Locking

Ø2.0 25.0 10.0 M18 x 1.5 M22 x 2.0 17.8 25.7 REF 16.2 8.8 21.6 Ø18.0

YW-20 Data Sheet

Product Series		YW-20									
Pin Number		2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	9PIN	12PIN	14PIN
Section diagram		PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	—	PIN / Mounting	—	PIN / Mounting	PIN / Mounting	PIN / Mounting
Current Rating		20A			10A				5A		
Voltage Rating		AC 500V			AC 500V				AC 250V		
Cable range		Ø9.0~Ø13.0mm			Ø7.0~Ø10.0mm				Ø7.0~Ø10.0mm		
Wire Gauge		2.5~4.0mm²/14 -12AWG			1.0~1.5mm²/18 - 16AWG				0.34~0.75mm²/22-20AWG		
IP Protection Class (Mated)		IP67（Mated）									
Termination		Screw Locking									

M20 Power + Signal

Product Picture | material | **Part Numberr** (The bold font is a best-sell products)

Cable connector											
	Metal	Male	**YW-20-C02PE-03-001A**	**YW-20-C03PE-03-001A**	**YW-20-C04PE-03-001A**	**YW-20-C05PE-03-001A**	—	**YW-20-C07PE-03-001A**	—	**YW-20-C09PE-03-001A**	**YW-20-C12PE-03-001A**	YW-20-C14PE-03-001A
		Female	YW-20-J02PE-03-001A	YW-20-J03PE-03-001A	YW-20-J04PE-03-001A	YW-20-J05PE-03-001A	—	YW-20-J07PE-03-001A	—	YW-20-J09PE-03-001A	YW-20-J12PE-03-001A	YW-20-J14PE-03-001A
Flange Mounting Rear Locking		Male	YW-20-C02SX-03-401A	YW-20-C04SX-03-401A	YW-20-C04SX-03-401A	YW-20-C05SX-03-401A	—	YW-20-C07SX-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-J04SX-03-401A**	**YW-20-J04SX-03-401A**	**YW-20-J05SX-03-401A**	—	**YW-20-J07SX-03-401A**	—	**YW-20-J09SX-03-401A**	**YW-20-J12SX-03-401A**	YW-20-J14SX-03-401A

YW-20

Appearance Dimension

■ Cable Connector

59.5 REF
Ø 27.2
Ø27.2

■ Flange Panel Mount

35.5 REF
32.8
30.0
Ø19.7
Ø21.0
4-Φ3.2
22.0
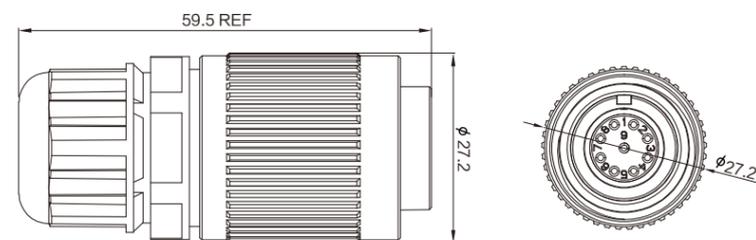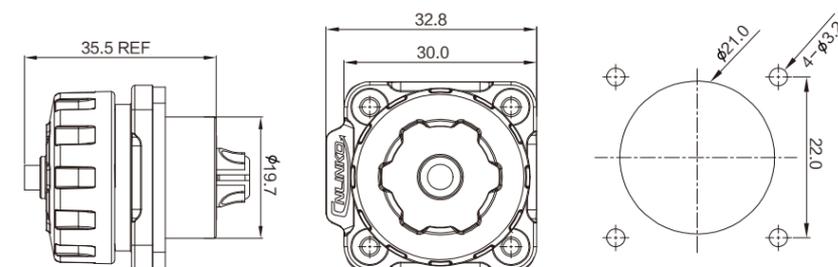
YZ-20Metal Waterproof Connector

YZ-20 connector, using zinc alloy shell structure and pure gold plating contacts, meets the application requirements of high-grade products, uses rotary locking, safe and firm, which is widely used in different fields.

Product Application Type:
Power : 2/3/4/5 pin
Signal : 7/9/12 pin

The working voltage of power supply connection can reach 500V, rated current is 20A (2、3、4 pin), 12A (5、7 pin), and shielding connectors can be selected.

- Multicore
  Power Cable Range:∅9.0~∅13.0mm
  Signal Cable Range:∅5.0~∅6.5mm

Multicore waterproof connectors
- Available (2、3、4、5、7、9、12pin)
  It can be used in connection of power supply and mixed signal.

Main Advantage:
- Zinc alloy shell, with complete electromagnetic and radio frequency interference protection, while meeting the matching needs of high-end products;
- 1/4 buckle connection mode, stable and safe;
- Fast and simple nut-type design locking system, skid-proof human design of outer ring;
- The suspended dust cover design effectively prevents foreign bodies from entering the non-working state, has high safety performance and easy operation.

Characteristics

Terminal Type
- YZ20 waterproof connector adopts soldering type .
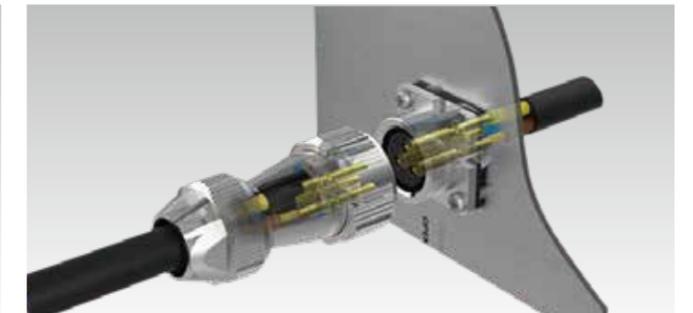
Fast and Easy Locking
- Bayonet design makes safe and stable .

Structural sketch
- The precise structure ensures the safety and stability of the connection performance.

Installation
- Flange panel is used for installation, which is convenient and stable.

YZ-20

Data Sheet

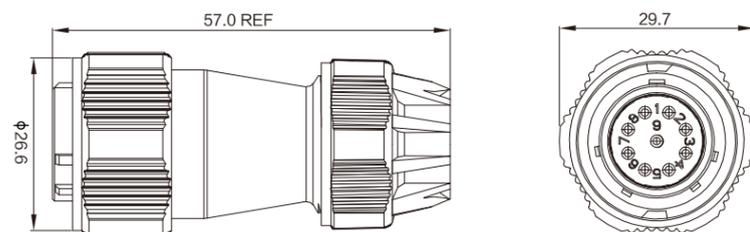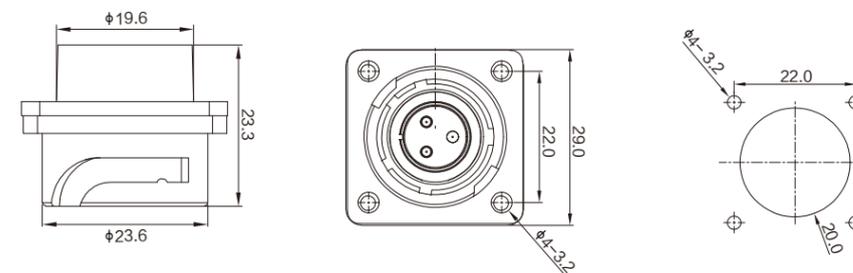| Product Series		YM-20									
Pin Number		2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN	9PIN	12PIN	14PIN
M20 Power + Signal	Section diagram	PIN / Mounting	PIN / Mounting	PIN / Mounting	PIN / Mounting	—	PIN / Mounting	—	PIN / Mounting	PIN / Mounting	PIN / Mounting
	Current Rating	20A			10A				5A		
	Voltage Rating	AC 500V			AC 500V				AC 250V		
	Cable range	Ø 9.0~ Ø 13.0mm			Ø 7.0~ Ø 10.0mm				Ø 7.0~ Ø 10.0mm		
	Wire Gauge	2.5mm²			1.0~1.5mm²/18~16AWG				0.34~0.75mm²/22-20AWG		
	IP Protection Class (Mated)	IP67（Mated）									
	Termination	Screw Locking									

Product Picture	material	Part Numberr (The bold font is a best-sell products)									
Cable connector	Metal	Male	**YZ-20-C02PE-03-001A**	**YZ-20-C03PE-03-001A**	**YZ-20-C04PE-03-001A**	**YZ-20-C05PE-03-001A**	—	**YZ-20-C07PE-03-001A**	—	**YZ-20-C09PE-03-001A**	**YZ-20-C12PE-03-001A** / **YZ-20-C14PE-03-001A**
		Female	YZ-20-J02PE-03-001A	YZ-20-J03PE-03-001A	YZ-20-J04PE-03-001A	YZ-20-J05PE-03-001A	—	YZ-20-J07PE-03-001A	—	YZ-20-J09PE-03-001A	YZ-20-J12PE-03-001A / YZ-20-J14PE-03-001A
Flange Mounting Rear Locking		Male	YZ-20-C02SX-03-401A	YZ-20-C03SX-03-401A	YZ-20-C04SX-03-401A	YZ-20-C05SX-03-401A	—	YZ-20-C07SX-03-401A	—	YZ-20-C09SX-03-401A	YZ-20-C12SX-03-401A / YZ-20-C14SX-03-401A
		Female	**YZ-20-J02SX-03-401A**	**YZ-20-J03SX-03-401A**	**YZ-20-J04SX-03-401A**	**YZ-20-J05SX-03-401A**	—	**YZ-20-J07SX-03-401A**	—	**YZ-20-J09SX-03-401A**	**YZ-20-J12SX-03-401A** / **YZ-20-J14SX-03-401A**

YZ-20

Appearance Dimension

■ Cable Connector

57.0 REF

29.7

Φ26.6

■ Flange Panel Mount

φ19.6

23.3

φ23.6

22.0

22.0

29.0

φ4-3.2

22.0

20.0

φ4-3.2

YU-USBWaterproof Data Connector

Linko professional multi-functional YU-USB data waterproof connector and panel mount be used for data transmission, because of plug and play, fast transmission rate, strong scalability characteristics, are widely used in computers, digital cameras, scanners and other data transmission equipment, this series of products are diverse, can achieve male-female conversion docking, independent base, male-head belt line, etc.

Application Types:
Data: USB
Data Type : USB2.0、USB3.0
Data connection withstands voltage 100V/Min, contact resistance 30m/Max, optional data transmission level.

• Data
  USB Cable Range :∅5.5~∅6.5mm

• Plug + Socket Data Connector Wire。
  It is often used in data transmission connection inside the machine, and the socket can be used outside the board.

• Overmolding on both side
  Safe and stable connection to provide more stable transmission for equipment.

• Single USB Plug + One side overmolding
  It can be used for stable connection and quick locking data transmission scenarios.

Above is a selection of USB connectors that can be customized.

Main Advantage :
• Independent socket design, no tool assistance, easy installation, easy operation;
• The utility model can realize double-head transfer between male and female, and the clamp is locked and secure;
• Unique docking design, stable extension of infinite length of wire;
• Strong connection system provides solutions for data connection and transmission in different environments.
• The product meets IP67 protection level in mated condition.

Characteristics

Reliable waterproof performance
• The protection level under connection state reaches IP67, which provides good electrical protection performance for equipment.

Multiple connection modes
• Product diversity, with the transmission level products can be flexibly collocated with use.

Clasp locking
• he sockets and rubber-covered plugs are securely and securely fastened by a firm jacket clamp.

• **Multiple connection modes**

Design of cable sheath
• Plug and socket end adopt cable sheath design to effectively protect cable outlet

Panel Installation

In line connection

YU-USB

Data Sheet

	Product Series	YU-USB2.0			YU-USB3.0		
Data	Current Rating	—			—		
	Voltage Rating	—			—		
	Cable range	Ø5.5~Ø6.5mm			Ø5.5~Ø6.5mm		
	Wire Gauge	26-24AWG			26-24AWG		
	IP Protection Class (Mated）	IP67（Mated）			IP67（Mated）		
	Termination	Bayonet			Bayonet		
		USB2.0 (Cable length 1 meter)			**USB3.0** (Cable length 1 meter)		
Product Picture		Overmolding one side	Overmolding both side	Overmolding both side	vermolding one side	Overmolding both side	Male Plug + Female panel mount
Part Number		YU-USB2-CPI-01-100	YU-USB2-CPI-02-100	YU-USB2-JSX-11-100	YU-USB3-CPI-01-100	YU-USB3-CPI-02-100	YU-USB3-FP-MP-012
Product Picture		Male Plug + Female panel mount	Male Plug + Female panel mount	Overmolding one side + Printer reel	Double Panel Mount	Female Panel Mount with 9 pin for PCB	Female Panel Mount
Part Number		YU-USB2-FP-MP-022	YU-USB2-JSX-03-100	YU-USB2-CPI-03-100	YU-USB3-JSX-02-100	YU-USB3-JSX-03-001	YU-USB3-JSX-01-001
Product Picture		Female Panel mount with Metal Chain	Female Panel Mount	Female Panel Mount + 90 Degree Plug	Female Panel mount with Metal Chain	Female Panel mount + Overmolding one side	—
Part Number		YU-USB2-JSX-04-001	YU-USB2-JSX-01-003	**YU-USB2-JSX-09-100**	YU-USB3-JSX-01-100	YU-USB3-JSX-04-100	—
Product Picture		Female Panel Mount with 4 pin for PCB	Female Panel Mount with 5 pin for PCB	—	—	—	—
Part Number		YU-USB2-JSX-02-001	YU-USB2-JSX-17-001	—	—	—	—

Appearance Dimension

USB Cable connector
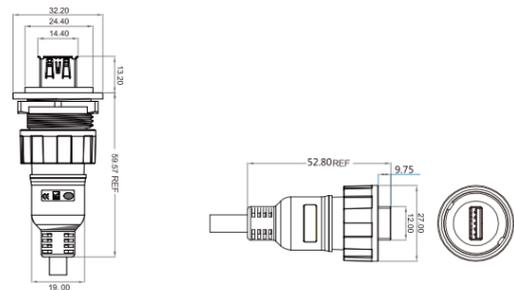
USB Panel Mounting

103

104
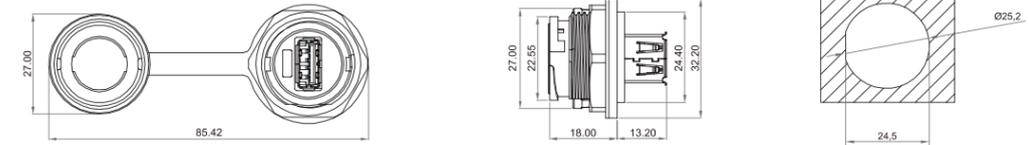
Wiring harness customization

We chooses the high quality cables matching Linko's connectors, and can customize the corresponding wire process-
ing according to customer's needs. It can also design and develop solutions according to the needs of customers.

Customized Wire Harness Case Show

Customer customized feature wiring harness for display, you can contact us at any time according to your demand.
• Customized information
 Linko Products Series: All linko Connectors
 Available size : M12、M16、M20、M24、M28
 vailable type : Power, Signal (RJ45/Fiber) 、 Data (USB/HDMI) and Others
 Available Shell type : Metal , Plastic , Metal + Plastic

Case Product Display

LC- 20- C03PE- 01- 001

LC- 20- C03PE- 02- 100

LP- 20- C05PE- 05- 022- 100

LP- 16- 09- MP- MRJ- 001

LP- 16- 09- EP- MRJ- 001

LP- 12- 06- FS- E- 003

Wire Harness

Product Overview

Size	Series	Material	Product Picture	Power	Muti core	Signal		Data		Cable customization	Specification		
						RJ45	FIBER	USB	HDMI	Product Picture	2~4PIN	5~7PIN	8~14PIN
M12	LP-12	Plastic / Metal		2PIN 3PIN 4PIN 5PIN	6PIN 7PIN 8PIN	—	—	—	—		**Current Rating (A)** — 5 / 3 / 3 · **Cable range (mm)** Ø3.0~Ø6.0		
M16	LP-16	Plastic / Plastic+Metal / Metal		2PIN 3PIN 4PIN 5PIN	7PIN 8PIN 9PIN	✓	✓	—	—		**Current Rating (A)** 10 / 5 / — · **Cable range (mm)** Ø3.0~Ø9.0		
	YW-16	Metal		3PIN	9PIN	—	—	—	—		**Current Rating (A)** 10 / 5 / — · **Cable range (mm)** Ø3.0~Ø9.0		
M20	LP-20	Plastic / Metal		2PIN 3PIN 4PIN 5PIN	7PIN 9PIN 12PIN 14PIN	—	—	—	—		**Current Rating (A)** 20 / 10 / 5 · **Cable range (mm)** Ø5.0~Ø13.0		
	DH-20	Metal		2PIN 3PIN 4PIN 5PIN	7PIN 9PIN 12PIN 14PIN	—	—	—	—		**Current Rating (A)** 20 / 10 / 5 · **Cable range (mm)** Ø5.0~Ø13.0		
	YA-20	Plastic / Metal		2PIN 3PIN 4PIN 5PIN	7PIN 9PIN 12PIN 14PIN	—	—	—	—		**Current Rating (A)** 20 / 10 / 5 · **Cable range (mm)** Ø5.0~Ø13.0		
	YM-20	Plastic		2PIN 3PIN 4PIN 5PIN	7PIN 9PIN 12PIN 14PIN	—	—	—	—		**Current Rating (A)** 20 / 10 / 5 · **Cable range (mm)** Ø5.0~Ø13.0		
	YW-20	Metal		2PIN 3PIN 4PIN 5PIN	7PIN 9PIN 12PIN 14PIN	—	—	—	—		**Current Rating (A)** 20 / 10 / 5 · **Cable range (mm)** Ø5.0~Ø13.0		
	YZ-20	Metal		2PIN 3PIN 4PIN 5PIN	7PIN 9PIN 12PIN 14PIN	—	—	—	—		**Current Rating (A)** 20 / 10 / 5 · **Cable range (mm)** Ø5.0~Ø13.0		

Product Overview

Size	Series	Material	Product Picture	Power	Muti core						Signal		Data		Cable customization	Specification		
											RJ45	FIBER	USB	HDMI	Product Picture	2~4PIN	8~12PIN	19~24PIN
M24	LP-24	Plastic / Metal		3PIN 4PIN	10PIN 12PIN				19PIN 24PIN							Current Rating (A)		
																25	10	5
																Cable range (mm)		
																Ø5.0~Ø14.0		
	DH-24	Metal		3PIN 4PIN	10PIN 12PIN				19PIN 24PIN							Current Rating (A)		
																25	10	5
																Cable range (mm)		
																Ø5.0~Ø14.0		
	BD-24	Metal		3PIN	—							—	—	—		Current Rating (A)		
																25	—	—
																Cable range (mm)		
																Ø5.0~Ø14.0		
	YF-24	Plastic		—	—						—	—	—	—		Current Rating (A)		
																20		
																Cable range (mm)		
																Ø9.0~Ø14.0		
M28	LP-28	Plastic		2PIN 3PIN 8PIN							—	—	—	—		Current Rating (A)		
																50(2Pin) 35(3Pin)	15	—
																Cable range (mm)		
																Ø18.0~Ø20.0	Ø13.0~Ø15.0	
YU	USB	Plastic		—	—						—	—	USB	—		Current Rating (A)		
																—		
																Cable range (mm)		
																Ø5.5~Ø6.5		
YT	RJ45	Plastic / Plastic+Metal		—	—						RJ45	—	—	—		Current Rating (A)		
																1.5		
																Cable range (mm)		
																Ø5.5~Ø6.5		

Product Overview