

YA SERIES

Cap Self-locking
Waterproof Connector

Application Type of YA Waterproof Connector

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

• Series product information:

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

• Introduction:

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

• Main body material, process and surface treatment:

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

• Module material, process and surface treatment:

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

• Packaging and Storage:

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

• Check the official website YA series area:

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



QR code of YA series

Applications



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

Features Overview



Bayonet locking connection

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



Cap self-locking protective cover

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



Schematic diagram of product structure

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



Installation method

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

Series Infographic



YA-20 Series Information Overview

P113

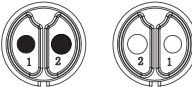
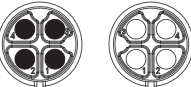
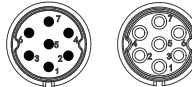
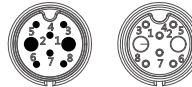
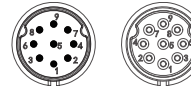
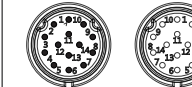
Product application type:	Power: 2/3/4 Pin	
	Signal: 5/7/9/12/14 Pin	
	The current is connected with the operating voltage: 500V (2~5、 7pins) , 250V (8~pins hybrid、 9、 12、 14pins) The rated current: 20A(2~4pins) , 10A (5、 7pins) , 20A+5A (8~pins hybrid) , 5A (9、 12、 14pins)	
Cable O.D:	Multi-pin type: Φ 10.0~12.0mm , Φ 7.0~8.5mm , Φ 5.0~6.5mm	
	Signal type: Φ 5.0~ Φ 6.5mm	
Details page:	Product Parameter Map: P113	Dimension Drawing: P113

Main feature:

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

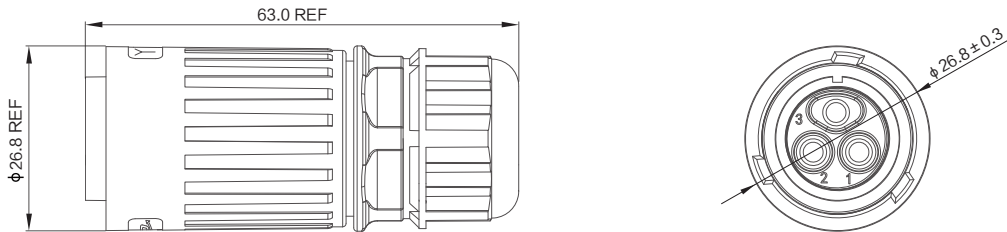
YA-20

YA-20 Datasheet

M20 Power/Signal	Product Series		YA-20																					
	Pin Number		2PIN		3PIN		4PIN		5PIN		7PIN		8PIN		9PIN		12PIN		14PIN		—			
	Application Type Section		 Male Female		 Male Female		 Male Female		 Male Female		 Male Female		 Male Female		 Male Female		 Male Female		 Male Female		—			
	Current Rating		20A						10A		10A		20A+5A		5A						—			
	Voltage Rating		AC 500V								AC 500V		AC 250V		AC 250V						—			
	Cable O.D Range		≤ ϕ 12.0mm										≤ ϕ 12.0mm										—	
	Wire Size		2.5mm ² /12AWG						1.5mm ² /16AWG				2.5mm ² /12AWG 0.5mm ² /20AWG		0.5mm ² /20AWG						—			
	Protection Level		Standard is IP65, IP67&IP68 Option Avaliable										Standard is IP65, IP67&IP68 Option Avaliable											
	Assembly Method		Soldering / Screwing						Soldering															
	Illustration	Material	Part No																					
Plastic plug 	Plastic / Metal	Male	YA-20-C02PE-01-001A	YA-20-C03PE-01-001A	YA-20-C04PE-01-001A	YA-20-C05PE-01-001A	YA-20-C07PE-01-001A		YA-20-C08PE-01-001A	YA-20-C09PE-01-001A	YA-20-C12PE-01-001A	YA-20-C14PE-01-001A	—											
		Female	YA-20-J02PE-01-001A	YA-20-J03PE-01-001A	YA-20-J04PE-01-001A	YA-20-J05PE-01-001A	YA-20-J07PE-01-001A		YA-20-J08PE-01-001A	YA-20-J09PE-01-001A	YA-20-J12PE-01-001A	YA-20-J14PE-01-001A	—											
Metal plug 		Male	YA-20-C02PE-03-001A	YA-20-C03PE-03-001A	YA-20-C04PE-03-001A	YA-20-C05PE-03-001A	YA-20-C07PE-03-001A		YA-20-C08PE-03-001A	YA-20-C09PE-03-001A	YA-20-C12PE-03-001A	YA-20-C14PE-03-001A	—											
		Female	YA-20-J02PE-03-001A	YA-20-J03PE-03-001A	YA-20-J04PE-03-001A	YA-20-J05PE-03-001A	YA-20-J07PE-03-001A		YA-20-J08PE-03-001A	YA-20-J09PE-03-001A	YA-20-J12PE-03-001A	YA-20-J14PE-03-001A	—											
Two-hole flange receptacle 		Male	YA-20-C02SX-03-201A	YA-20-C03SX-03-201A	YA-20-C04SX-03-201A	YA-20-C05SX-03-201A	YA-20-C07SX-03-201A		YA-20-C08SX-03-201A	YA-20-C09SX-03-201A	YA-20-C12SX-03-201A	YA-20-C14SX-03-201A	—											
		Female	YA-20-J02SX-03-201A	YA-20-J03SX-03-201A	YA-20-J04SX-03-201A	YA-20-J05SX-03-201A	YA-20-J07SX-03-201A		YA-20-J08SX-03-201A	YA-20-J09SX-03-201A	YA-20-J12SX-03-201A	YA-20-J14SX-03-201A	—											

YA-20 Dimension Drawing (unit: mm)

Plug



Receptacle

