

# YM-20 Series



## Product parameter

Part NO.	YM-20-C03PE-01-001
Wire specification	2.5mm <sup>2</sup> ~4mm <sup>2</sup> /14~12 AWG
Line diameter range	Φ8mm~Φ12mm
Diameter×number	Φ2.7×2
Rated current(A)	20A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<1mΩ
Temperature rise	20A per contact at 30℃, 25A.....40℃, 30A.....50℃.
Withstand voltage (AC.V)1minute	2500V
Insulation resistance	>500MΩ
Protection level	IP65/IP67
Mating cycle	≥500times
Working temperature	-40℃~80℃
Connection mode	Threaded connection
Wiring mode	Welding / Crimping

## Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy ( Nickel Plating )
PIN	Copper alloy   gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

## Core tables

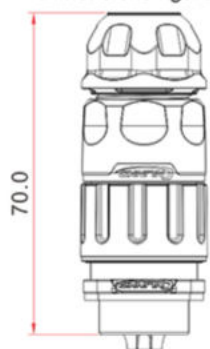
[illegible]

### Connection graph

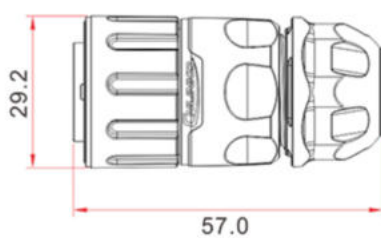


### Appearance dimension

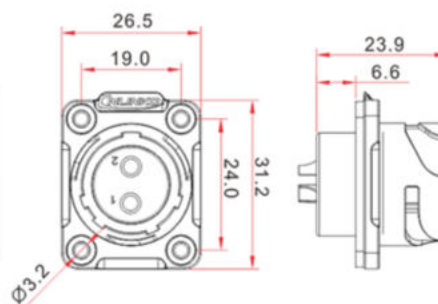
Dimensions figure



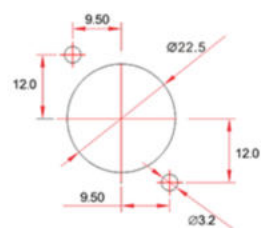
PE clamping cable plug  
(dimensions figure)



S socket (dimensions figure)



Installation hole figure



# YM-24 Series












## Product parameter

Part NO.	YM-24-C02PE-02-001 ...
Wire specification	2.5mm²-4.0mm²/14-12AW
Line diameter range	Φ9mm~Φ13mm
Diameter×number	Φ3.0×2
Rated current(A)	25A
Operation voltage(AC.V.RMS)	500V
Contact resistance	<1mΩ
Temperature rise	20A per contact at 30℃, 25A.....40℃, 30A.....50℃.
Withstand voltage (AC.V)1minute	2000V
Insulation resistance	>500MΩ
Protection level	IP68
Mating cycle	≥500times
Working temperature	-40℃~80℃
Connection mode	Threaded connection
Wiring mode	Welding / Crimping

## Material

Insulation components	High-performance engineering plastics
Hardware	Zinc alloy ( Nickel Plating )
PIN	Copper alloy   gold plating
Waterproof circle	Silica gel
Flame retardant grade	UL94-V0

## Core tables

the number of pins	2PIN	3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45	USB	HDMI	Optical fiber	
The PIN map												
Rated current	25A			10A		5A		<1.5A	<1.5A			
Operating voltage	500V			400V		250V		125V	30V			
Withstanding Voltage	2000V			1500V		1500V		1000V	500V			
Contact resistance	<1.0mΩ			<3.0mΩ		<5.0mΩ		<40.0mΩ	<30.0mΩ			
Contact	Φ3.0*2	Φ3.0*3	Φ3.0*4	Φ1.5*10	Φ1.5*12	Φ1.5*19	Φ1.5*24					
Durability	500time Max											
Working temperature	-40℃ ~ +80℃											
Vibration	Frequency: 5~200Hz, amplitude: 5mm, speed: 10m/s,0.10us without instantaneous break											
Salt fog	PH6.5-7.2,NaCl,5% 48H											
Cable specification	2.5mm <sup>2</sup> -4mm <sup>2</sup> 14-12AWG			1.0mm <sup>2</sup> -1.5mm <sup>2</sup> 18-16AWG		0.15mm <sup>2</sup> -0.2mm <sup>2</sup> 18-16AWG		0.15mm <sup>2</sup> -0.2mm <sup>2</sup> 26-24AWG	0.1mm <sup>2</sup> -0.2mm <sup>2</sup> 28-24AWG			
Diameter range	Applicable scope of OD											
	(Φ9-Φ13 ) mm			(Φ10-Φ13 ) mm		(Φ8-Φ13 ) mm		Φ5.5 -Φ7.0mm			Φ5.0 Ref.mm	
Protection level	IP65/IP68 ( When mated and under water depth 1.5m , Time :1H )											
Certification standards	Comply with the IEC61984 and UL1977/2238 certification standards											



# Lean production, Condensed Essence

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Dozens of quality parts are precisely engaged  
Condensed into an integrated whole



## Appearance dimension

