# **YP-20 Series**

Product parameter



Part NO.	YP-20-C02PE-01-001
Wire specification	2.5mm <sup>*</sup> ~4mm <sup>*</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℃,25A40℃, 30A50℃.
Withstand voltage	2500V
(AC.V)1minute	25007
Insulation resistance	> 500MΩ
Protection level	IP65/IP67
Mating cycle	≥500times
Working temperature	-40°C∼80°C
Connection mode	Quick bayonet connection
Wiring mode	Welding / Crimping

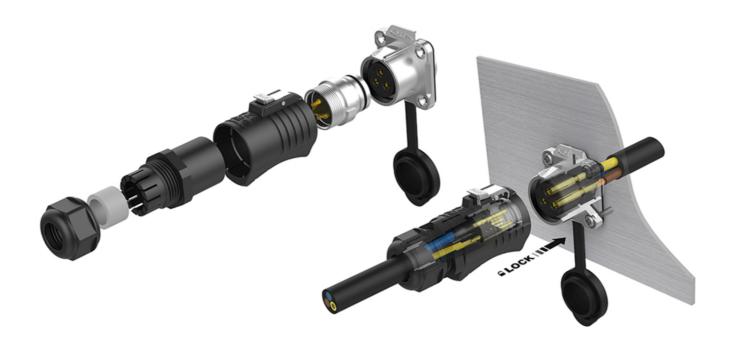
### Material

High-performance engineering plastics
Zinc alloy ( Nickel Plating )
Copper alloy   gold plating
Silica gel
UL94-V0

Core	tab	les
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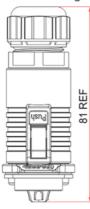
the number of pins	2PIN	3PIN	4PIN	5PIN	7PIN	9PIN	12PIN	
The PIN map	••							
Rated current	20A	20A	20A	12A	12A	5A	5A	
Operating voltage	500V	500V	500V	400V	400V	250V	250V	
Withstanding Voltage	2500V	2500V	2500V	2000V	2000V	1500V	1500V	
Contact resistance	<1.0mΩ	<1.0mΩ	<1.0mΩ	<2.5mΩ	<2.5mΩ	<5.0mΩ	<5.0mΩ	
Temperature rise	20A 30°C1 ; 25A 40°C1 ; 30A 50°C1 12A 30°C1 ; 15A 40°C1 ; 20A 50°C1							
Contact diameter x number	Φ2.7*2	Φ2.7*3	Φ2.7*4	Φ1.8*5	Φ1.8*7	Φ1.0*9	Φ1.0*12	
Insertion force	4.0N Max.	6.0N Max.	8.0N Max.	6.0N Max.	8.2N Max.	2.7N Max.	3.6N Max.	
Durability	1700times							
Screw torque	42-53(N.m) torque wrench200(N.m)							
Working temperature	-40°C ~ +80°C							
Vibration	Frequency: 5~200Hz, amplitude: 5mm, speed: 10m/s,0.10us without instantaneous break							
Impact resistance	294m/s2							
Salt fog	PH6.5-7.2,NaCl,5% 48H							
Cable specification								
Diameter range	Applicable scope of OD (1Φ-11.5Φ) mm With a waterproof ring (Φ12mm, Φ6.5mm)							
Protection level	IP67							
Certification standards	Comply with the TUV and UL certification standards							

## Connection graph

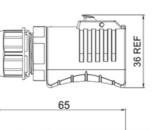


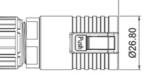
## Appearance dimension

### Dimensions figure



PE clamping cable plug (dimensions figure)





S socket (dimensions figure)

## Installation hole figure

