YZ-20 Series



Product parameter

Part NO. YZ-20-C03PE-01-001 Wire specification $2.5 \text{mm}^2 - 4 \text{mm}^2/14 \sim 12 \text{ AWG}$

Line diameter range Φ8mm~Φ12mm

Diameter×number Ф2.7×2
Rated current(A) 20A
Operation 500V

voltage(AC.V.RMS)

Contact resistance $<1m\Omega$

Temperature rise 20A per contact at 30°C, 25A......40°C, 30A......50°C.

Withstand voltage (AC.V)1minute

2500V

Insulation resistance >500MΩ

Protection level IP65/IP67

Mating cycle ≥500times

Working temperature -40℃~80℃

Connection mode Quick bayonet 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	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°C↓ ; 25A 40°C↓ ; 30A 50°C↓ 12A 30°C↓ ; 15A 40°C↓ ; 20A 50°C↓						
Contact diameter x number	Φ2.7*2	Φ2.7*3	Φ2.7*4	Ф1.8*5	Ф1.8*7	Ф1.0*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,NaCI,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

