DH-20 Series



Product parameter

 Part NO.
 DH-20-C02PE-01-001

 Wire specification
 2.5mm'~4mm'/14~12 AWG

Line diameter range Φ8mm~Φ12mm

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

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 Ouick bayonet connection

Material

Insulation components High-performance engineering plastics

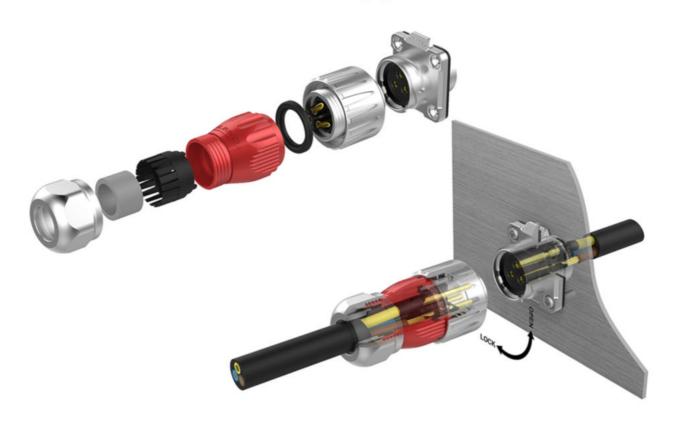
Hardware Zinc alloy (Nickel Plating)
PIN Copper alloy | gold plating

Waterproof circle Silica gel Flame retardant grade UL94-V0

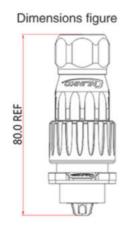
Core tables

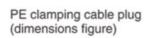
the number of pins	2PIN	3PIN	4PIN	5PIN	7PIN	9PIN	12PIN				
The PIN map	••	•••									
Rated current	20A	20A	20A	12A	12A	5A	5A				
Operating voltage	500V	500V	500V	500V	500V	400V	400V				
Withstanding Voltage	2500V	2500V	2500V	2500V	2500V	1500V	1500V				
Contact resistance	<1.0mΩ	<1.0mΩ	<1.0mΩ	<2.5mΩ	<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 5A 30°C1; 7A 40°C										
Contact diameter	Φ2.7*2	Φ2.7*3	Φ2.7*4	Ф1.8*5	Ф1.8*7	Ф1.0*9	Ф1.0*12				
Insertion force	3.0N Max.	4.5N Max.	6.0N Max.	4.0N Max.	5.5N Max.	3.0N Max.	4.0N 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	2.5mm ² -4mm ²			1.0mm ² -1	.5mm²	0.15mm ² -0.2mm ²					
		12-14AWG		16-18A	WG	24-26AWG					
Diameter range	Applicable	scope of OD (8	Φ-12Φ) mm	Applicable scope of	OD (7Φ-9Φ) mm	Applicable scope of OD (5.5Φ-7Φ) mm					
Protection level	IP67										
Certification standards	Comply with the TUV and UL certification standards										

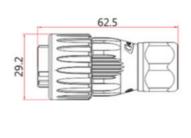
Connection graph



Appearance dimension



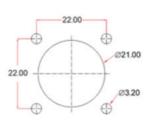




S socket (dimensions figure)



Installation hole figure



DH-24 Series



Product parameter

Part NO. DH-24-C03PE-01-001
Wire specification 2.5mm' ~ 5mm'/14 ~ 12 AWG

Line diameter range 8mm~12mm
Diameter×number 3.0×3
Rated current(A) 30A

Rated current(A) 30A
Operation 500V

voltage(AC.V.RMS)

Contact resistance <1mΩ

Temperature rise 30A 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°C~80°C

Connection mode Quick bayonet connection Wiring mode Welding / Crimping

Material

Insulation components High-performance engineering plastics

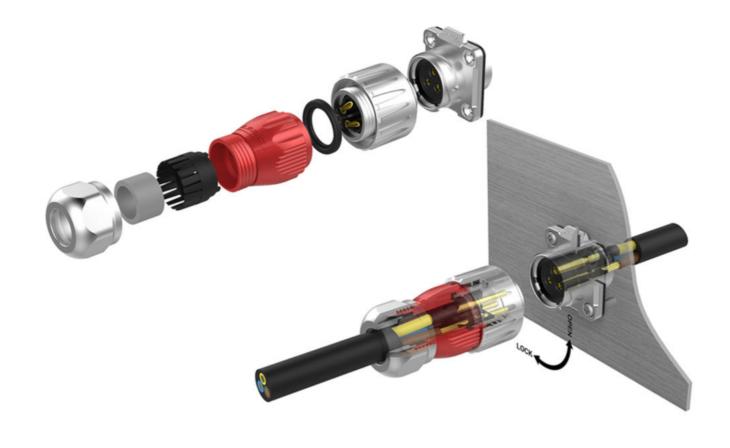
Hardware Zinc alloy (Nickel Plating)
PIN Copper alloy | gold plating

Waterproof circle Silica gel Flame retardant grade UL94-V0

Core tables

the number of pins	3PIN	4PIN	10PIN	12PIN	19PIN	24PIN	RJ45	USB	Optical fiber		
The PIN map	••	::									
Rated current	25A		10A		5A		1.5A				
Operating voltage	500V		400V		150V						
Withstanding Voltage	2500V				150	00V	1000V				
Contact resistance	<1.0mΩ		<2.5mΩ		<5.0mΩ		<30mΩ				
Temperature rise	25A 30°C↓;		10A 30°C↓;		5A 30°C↓;						
	30A 40°C↓; 35A 50°C↓;		12A 40°C↓; 15A 50°C↓;		7A 40°C↓; 10A 50°C↓;						
Contact diameter x number	Ф3.0*3	Ф3.0*4	Φ1.5*10	Φ1.5*12	Φ1.0*19	Ф1.0*24	8PIN	9PIN&4PIN	2		
Insertion force	4.5N Max.	6.0N Max.	14N Max.	16N Max.	19N Max.	22N Max.	4.5N Max.	4.5N Max.	4.5N Max.		
Durability	1700times										
Screw torque	42-53(N.m) torque wrench 200(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	2.5mm²-4mm² /12-14AWG		1.0mm²-1.5mm² /16-18AWG		0.15mm²-0.2mm² /24-26AWG						
Diameter range	The applicable scope of OD (4 - Φ Φ 14) mm with waterproof circle (Φ 7 mm, 14 mm Φ)										
Protection level	IP67										
Certification standards	Comply with the TUV and UL certification standards										

Connection graph



Appearance dimension

