

# DH-20

防水连接器  
WATERPROOF CONNECTOR

## 简介

INTRODUCTION

DH20系列连接器，使用独特的波簧设计，标准的卡槽，合金的金属材料，旋转试外圈锁紧方式，外观新颖，符合中高端客户的使用要求，被广泛应用于LED显示屏，工业设备，灯光舞台设备等其它不同的行业领域。

DH20 Series Connectors, using a unique wave spring design, carrying a standard card slot, zinc alloy shell, outer rotary locking mode type, with novel appearance, can then meet average customers' requirements or above. the connectors can widely be used in LED display screen, industrial equipment, stage lighting equipment and other fields.



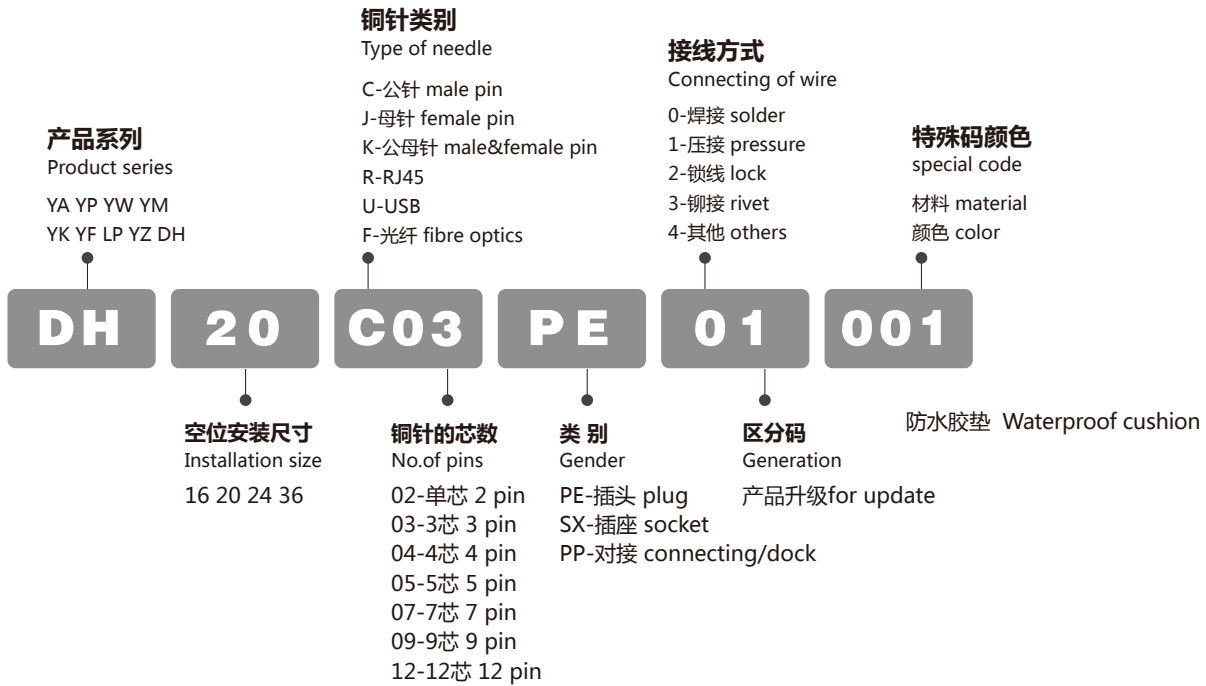
# DH-20 系列产品规格参数表

## DH-20 SERIES SPECIFICATIONS SHEET

芯数 PINS		2芯 2PINS	3芯 3PINS	4芯 4PINS	
<b>产品图</b> PICTURE	<b>正装</b> Male plug & Female socket	 DH-20-CO2PE-01-001 公头 male plug	 DH-20-CO3PE-01-001 公头 male plug	 DH-20-CO4PE-01-001 公头 male plug	
		 DH-20-J02SX-01-001母座(法兰) female socket ( french )	 DH-20-J03SX-01-001母座(法兰) female socket ( french )	 DH-20-J04SX-01-001母座(法兰) female socket ( french )	
		 DH-20-J02PE-01-001 母头 female plug	 DH-20-J03PE-01-001 母头 female plug	 DH-20-J04PE-01-001 母头 female plug	
	<b>反装</b> Female plug & Male socket	 DH-20-C02SX-01-001 公座(法兰) male socket ( french )	 DH-20-C03SX-01-001 公座(法兰) male socket ( french )	 DH-20-C04SX-01-001 公座(法兰) male socket ( french )	
		<b>排列图</b>   			
		<b>线材规格</b> Cable specification	2.5mm <sup>2</sup> ~ 4mm <sup>2</sup> / 14 ~ 12 AWG		
<b>线径范围</b> Diameter range	Φ8mm ~ Φ12mm				
<b>接触件直径×数量</b> Contact diameter × number	Φ2.7×2	Φ2.7×3	Φ2.7×4		
<b>额定电流(A)</b> Rated Current (A)	20A				
<b>工作电压(AC.V.RMS)</b> Operating voltage (AC.V.rms)	500V				
<b>接触电阻</b> Contact resistance	< 1mΩ				
<b>温升</b> Temperature rise	20A时温升在30°C以下 (20A contact temperature below 30°C), 25A.....40°C↓, 30A.....50°C↓.				
<b>耐电压(AC.V)1分钟</b> Withstanding Voltage (AC.V) 1 minute	2500V				
<b>绝缘电阻</b> Insulation resistance	> 500MΩ				
<b>防护等级</b> Protection level	IP65/IP67				
<b>耐久次数</b> Durability	≥ 500次				
<b>工作温度</b> Working temperature	-40°C ~ 80°C				
<b>连接方式</b> Connecting mode	快速插拔连接 plug/unplug				
<b>接线方式</b> Assembly wire	焊接式 solder				
<b>材料</b>					
<b>外壳、绝缘部件</b> Housing, the insulating parts	高性能工程塑料	High-performance engineering plastics			
<b>五金</b> Hardware	锌合金(珍珠硬铬)	Zinc Alloy (pearl hard chrome)			
<b>铜针</b> Copper needles	铜合金(镀金4U)	Copper alloy (gold-plated 4U)			
<b>防水圈</b> Waterproof circle	硅胶	Silica gel			
<b>阻燃等级</b> Flammability rating	UL94-V0	UL94-V0			

5芯 5PINS		7芯 7PINS		9芯 9PINS		12芯 12PINS	
							
DH-20-CO5PE-01-001 公头 male plug		DH-20-CO7PE-01-001 公头 male plug		DH-20-CO9PE-01-001 公头 male plug		DH-20-C12PE-01-001 公头 male plug	
							
DH-20-J05SX-01-001母座(法兰) female socket ( french )		DH-20-J07SX-01-001母座(法兰) female socket ( french )		DH-20-J09SX-01-001母座(法兰) female socket ( french )		DH-20-J12SX-01-001母座(法兰) female socket ( french )	
							
DH-20-J05PE-01-001 母头 female plug		DH-20-J07PE-01-001 母头 female plug		DH-20-J09PE-01-001 母头 female plug		DH-20-J12PE-01-001 母头 female plug	
							
DH-20-C05SX-01-001 公座(法兰) male socket ( french )		DH-20-C07SX-01-001 公座(法兰) male socket ( french )		DH-20-C09SX-01-001 公座(法兰) male socket ( french )		DH-20-C12SX-01-001 公座(法兰) male socket ( french )	
							
1.0m <sup>2</sup> ~ 1.5m <sup>2</sup> / 18 ~ 16 AWG		0.15m <sup>2</sup> ~ 0.2m <sup>2</sup> / 26-24 AWG					
Φ7mm ~ Φ9mm		Φ5.5mm ~ Φ7mm					
Φ2.0×5		Φ2.0×7		Φ1.0×9		Φ1.0×12	
12A				5A			
500V				400V			
<2.5mΩ				<5mΩ			
12A.....30°C↓, 15A.....40°C↓, 20A.....50°C↓.				/			
2500V				1500V			
				> 500MΩ			
				IP65/IP67			
				≥500次			
				-40°C ~ 80°C			
				快速插拔连接		plug/unplug	
				焊接式		solder	
		高性能工程塑料		High-performance engineering plastics			
		锌合金(珍珠硬铬)		Zinc Alloy (pearl hard chrome)			
		铜合金(镀金2U)		Copper alloy (gold-plated 2U)			
		硅胶		silica gel			
		UL94-V0		UL94-V0			

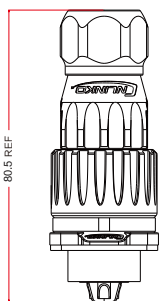
## 型号标志代号 MODEL CODE



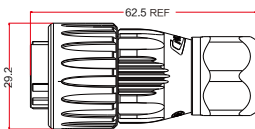
## 连接方式 CONNECTION SCHEMES



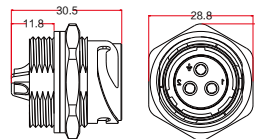
## 外形尺寸图 DIMENSION FIGURE



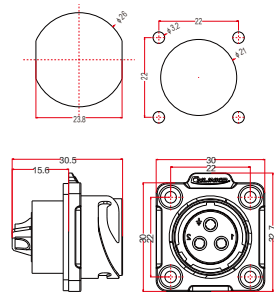
产品外型尺寸图  
dimensions figure



夹爪紧固式插头PE (外型尺寸图)  
PE clamping cable plug  
(dimensions figure)



插座 SX (外型尺寸图)  
SX socket (dimensions figure)



安装开孔图  
Installation hole figure

# DH-24

防水连接器  
WATERPROOF CONNECTOR

## 简介

INTRODUCTION




DH 24连接器，使用合金金属外壳，独特的卡簧式结构设计，旋转式锁紧，匹配电源、信号、USB、光纤不同的型号。使之符合工业设备的不同需求，满足设备的对连接器使用要求，广泛应用于工业信号传输及电源电流传输、数据传输等不同工业领域。

DH24 series includes connecting for power shpply, signal, USB and fiber , which is made up of sepcial alloy for shell and a clip spring type unique shructure design and a rotary lock , to meet the different needs of industrial equipment , they are widely used in transmission current , signal and date in different industrial field.



# DH-24 系列产品规格参数表

## DH-24 SERIES SPECIFICATIONS SHEET

产品类型	PIN针正装	PIN针反装
<b>产品图</b> <b>PICTURE</b>	 <p>DH-24-C03PE-01-001 3芯公头(焊接) 3Pins male plug(solder)</p>	 <p>DH-24-J03PE-01-001 3芯母头(焊接) 3Pins Female plug(solder)</p>
	 <p>DJ-24-J03SX-01-001 3芯母座(焊接) 3Pins Female socket(solder)</p>	 <p>DH-24-C03SX-01-001 3芯公座(焊接) 3Pins Male socket (solder)</p>

### 排列图

线材规格	Cable specification	2.5mm <sup>2</sup> ~ 4mm <sup>2</sup> / 14 ~ 12 AWG	
线径范围	Diameter range	Φ8mm ~ Φ12mm	
接触件直径×数量	Contact diameter × number	3.0 × 3	
额定电流(A)	Rated Current (A)	20A	
工作电压(AC.V.RMS)	Operating voltage (AC.V.rms)	500V	
接触电阻	Contact resistance	<1mΩ	
温升	Temperature rise	20A时温升在30°C以下 (20A contact temperature below 30°C), 25A.....40°C, 30A.....50°C。	
耐电压(AC.V)1分钟	Withstanding Voltage (AC.V) 1 minute	2500V	
绝缘电阻	Insulation resistance	> 500MΩ	
防护等级	Protection level	IP65/IP67	
耐久次数	Durability	> 500次	
工作温度	Working temperature	-40°C ~ 80°C	
连接方式	Connecting mode	快速插拔连接	Plug/unplug
接线方式	Assembly wire	焊接式	solder

### 材料

外壳、绝缘部件	Housing, the insulating parts	高性能工程塑料	High-performance engineering plastics
五金	Hardware	锌合金(珍珠硬铬)	Zinc Alloy (pearl hard chrome)
铜针	Copper needles	铜合金(镀金4U)	Copper alloy (gold-plated 4U)
防水圈	Waterproof circle	硅胶	Silica gel
阻燃等级	Flammability rating	UL94-V0	UL94-V0

RJ45

USB

光纤 Fibre optics



DH-24-RJ45-P01 插头 Plug



DH-24-USB3.0-P01 插头 Plug

DH-24-F00PE-P01 光纤插头  
Fibre optics plug

DH-24-RJ45-S01 插座 Socket



DH-24-USB3.0-S01 插座 Socket

DH-24-F00SX-S01 光纤插座  
Fibre optics socket0.15m m<sup>2</sup> ~ 0.2m m<sup>2</sup> /26-24 AWG

Φ5.5mm ~ Φ7mm

8PIN

9PIN ( 3.0 ) &amp; 4PIN ( 2.0 )

2

1.5A

/

/

/

&lt;30mΩ

/

/

/

1000V

/

&gt; 500MΩ

IP65/IP67

&gt; 500次

-40°C ~ 80°C

快速插拔连接 Plug/unplug

/

高性能工程塑料 High-performance engineering plastics

锌合金(珍珠硬铬) Zinc Alloy (pearl hard chrome)

铜合金(镀金2U) Copper alloy (gold-plated 4U)

硅胶 Silica gel

UL94-V0 UL94-V0

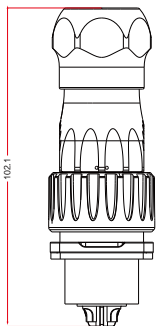
# 型号标志代号 MODEL CODE

产品系列 Product series	空位安装尺寸 Installation size	铜针类别 Type of needle	类别 Gender	接线方式 Connecting of wire	区分码 Generation	特殊码颜色 special code
YA YP YW YM YK YF LP YZ DH	16 20 24 36	C-公针 male pin J-母针 female pin K-公母针 male&female pin R-RJ45 U-USB F-光纤 fibre optics	PE-插头 plug SX-插座 socket PP-对接 connecting/dock	0-焊接 solder 1-压接 pressure 2-锁线 lock 3-铆接 rivet 4-其他 others	产品升级for update	材料 material 颜色 color
<b>DH</b>	<b>24</b>	<b>C03</b>	<b>PE</b>	<b>01</b>	<b>001</b>	防水胶垫 Waterproof cushion

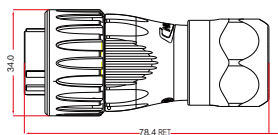
## 连接方式 CONNECTION SCHEMES



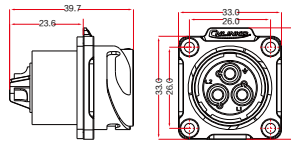
## 外形尺寸图 DIMENSION FIGURE



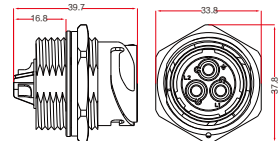
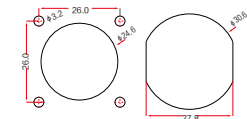
产品外型尺寸图  
dimensions figure



夹爪紧固式插头PE (外型尺寸图)  
PE clamping cable plug  
(dimensions figure)



插座SX (外型尺寸图)  
SX socket (dimensions figure)



安装开孔图  
Installation hole figure