

INTRODUCTION

LP-20 Series connector is widely used in variety of challenging environments due to its high precision, high quality automatic insertion, self-locking devices and waterproof,

In LED screen ,audio visual equipment,medical equipment,industrial control,testing and measurement equipment,AV system and others.









Male plug

female connector

Female socket

- 1: With multi-core design to fit with different industrial needs.
- 2:Alloy metal socket is with fully electromagnetic and radio frequency interference protection
- 3:With Gold-plated contact, Stronger corrosion resistance and conductivity,
- 4:PBT materials shell, stable electrical performance, pressure-resisting, high temperature resistance, anti-explosion, anti-corrosive
- 5: 2/3/4/5/7pin for power, 9/12pin for signal, power and signal can be compatible match
- 6: IP65/IP67 when mated.
- 7: Current rating: 5A/12A/20A rms
- 8.Please indicate if you need the protection level more high.



Female socket



Protective cover



Unique CNLINKO design



Gold-plating copper



Groove female design



Unique design reinforce lock

LP-20 SERIES SPECIFICATIONS SHEET



LP-20 MALE PLUG AND FEMALE SOCKET















LP-20 FEMALE PLUG AND MALE SOCKET















LP-20-C04PE-01-001

male plug

LP-20-J04PP-01-001 Female connector

LP-20-J04SX-01-001

female socket (flange)



LP-20-C02PE-01-001 male plug



Male plug& Female socket

Female plug& Male socket

LP-20-J02PP-01-001



LP-20-J02SX-01-001 female socket (flange)



LP-20-J02PE-01-001 female plug





LP-20-C02SX-01-001 male socket (flange)





LP-20-C03PP-01-001 Male connector





LP-20-C03PE-01-001

male plug

LP-20-J03PP-01-001

LP-20-J03PE-01-001





LP-20-C03SX-01-004 male socket (flange)



LP-20-J04PE-01-001 female plug



LP-20-C04PP-01-001 Male connector



LP-20-C04SX-01-001 male socket (flange)

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2.5m m² ~ 4m m² /14 ~ 12 AWG						
Ф8mm ~ Ф12mm						
Ф2.7×2	Ф2.7×3	Ф2.7×4				
20A						
500V						
<1mΩ						
20A contact temperature below 30°C 25A40°C↓, 30A50°C↓。						
2500V						
> 500MΩ						
IP65/IP67						

Insulation resistance	> 500ΜΩ
Protection level	IP65/IP67
Durability	≥500times
Working temperature	-40°C ~ 80°C
Connecting mode	Easy locking type
Assembly wire	Soldering/Crimping

MATERIALS

Cable specification

Contact diameter × number

Operating voltage (AC.V.rms)

Withstanding Voltage (AC.V) 1 minute

Diameter range

Rated Current (A)

Contact resistance

Temperature rise

PICTURE

AND PART NO.

	Housing&insulation parts	high-performance engineering plastics
	Hardware	zinc alloy (pearl hard chrome)
	cooper pins	copper alloy (gold-plated 4U)
,	waterproof cover	Silica gel
	Flammability rating	UL94-V0

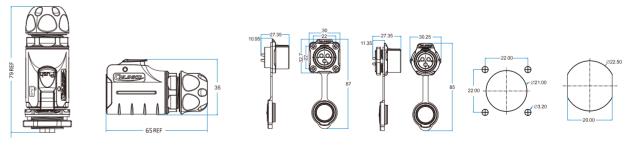
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5Pin 9Pin 7Pin 12Pin LP-20-C05PE-01-001 LP-20-C07PE-01-001 LP-20-C09PE-01-001 LP-20-C12PE-01-001 male plug male plug male plug male plug LP-20-J05PP-01-001 LP-20-J07PP-01-001 LP-20-J09PP-01-001 LP-20-J12PP-01-001 Female connector Female connector Female connector LP-20-J05SX-01-001 LP-20-J07SX-01-001 LP-20-J09SX-01-004 LP-20-J12SX-01-001 female socket (flange) LP-20-J05PE-01-001 LP-20-J07PE-01-001 LP-20-J09PE-01-001 LP-20-J12PE-01-001 female plug female plug female plug female plug LP-20-C05PP-01-001 LP-20-C07PP-01-001 LP-20-C09PP-01-001 LP-20-C12PP-01-001 Male connector Male connector Male connector Male connector LP-20-C05SX-01-001 male socket (flange) LP-20-C12SX-01-001 male socket (flange) LP-20-C07SX-01-001 LP-20-C09SX-01-004 male socket (flange) male socket (flange) 2 1 5 • 4 • • 3 7 • • 6 1.0m m² ~ 1.5m m²/18 ~ 16 AWG $0.15 \text{m}^2 \sim 0.2 \text{m}^2/26-24 \text{ AWG}$ Ф7mm ~ Ф9mm Φ5.5mm ~ Φ7mm Ф1.8×5 Ф1.8×7 Φ1.0×9 Ф1.0×12 5A 12A 500V 400V <2.5mΩ $<5m\Omega$ 12A.....30°C↓ , 15A.....40°C↓ , 20A.....50°C↓。 2500V 1500V > 500MΩ IP65/IP67 ≥500times -40°C ~ 80°C Easy locking type Soldering/Crimping high-performance engineering plastics zinc alloy (pearl hard chrome) copper alloy (gold-plated 4U) Silica gel UL94-V0

CONNECTION SCHEMES



DIMENSION FIGURE



Dimensions figure PE clamping cable plug SX socket (dimensions figure)

(dimensions figure)

Installation hole figure

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