

LP SERIES

LP Shortcut Waterproof Connector

LP waterproof connector application type

CNLINKO 's LP series multi-application waterproof connector adopts its own patented snap-button connection method, which can realize one-key unplugging and one-handed operation, and is suitable for various fast and efficient operation scenarios. It adopts multiple patented waterproof structure design, which has high waterproof performance and can avoid the intrusion of external water liquid; the overall appearance design of this series is simple and elegant, in line with the principle of ergonomic design, and can meet the requirements of anti-interference, high strength, and high corrosion resistance in different scenarios.

• Series product information:

Series code:	LP- 12 、 LP- 16 、 LP- 20 、 LP- 24 、 LP- 28
Hole size:	Please refer to the external dimension drawing for detailed hole size.
Application types:	Multi-pin type (2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 19, 24 pin and customized 3+2, 2+6, 2+7, 2+1+5 pin, etc.) Signal (RJ45, optical fiber) Data (USB2.0, USB3.0, HDMI2.0, Type-C)
Material type:	Plastic type, plastic + metal type, metal type

• Introduction:

Product types include power, multi-pin, hybrid, USB2.0, USB3.0, HDMI, Type-c, RJ45, optical fiber eight types. Plastic shell, light weight, good toughness, metal shell, high impact strength, using snap-lock, one-handed operation, simple operation, safe and reliable.

• Main body material, process and surface treatment:

Shell:	Material: Engineering Plastic/Metal	Surface treatment: Chrome plating
	Production Process: Die-casting and injection	

• Module material, process and surface treatment:

Contact:	Material: Male/Female Pin (Copper Alloy)	Production Process: Machining & Stamping
	Surface Treatment: Gold plated over nickel	
LC Fiber Contact Material:	Male/Female end (High Modulus Glass Fiber)	
Insulator:	Material: Engineering Plastic	Production process: injection molding

• Packaging and Storage:

The product is in a sealed bag, with a small box in the large box, and a label on the small box. The label indicates the product name, model, batch number, and number of products. Packaged products are recommended to be stored in a warehouse with an ambient temperature of $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$, a relative humidity of $\leq 72\%$, and no acidic, alkaline and other corrosive gases in the surrounding air. Other storage environments may affect product life.

• Check the official website LP series area:

Scan the QR code below to check the LP area of CNLINKO's official website. If you have any doubts, you can contact the online customer service for more detailed product information.



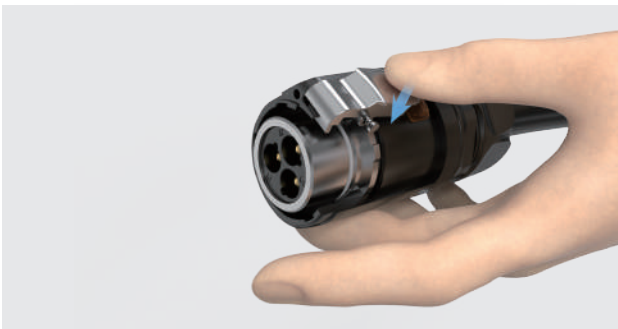
QR code of LP series

Applications



LP-24 series products are used in a mechanical equipment control box

Features Overview



Easy to use, fast and convenient

LP series adopts snap connection design, easy to use, one-handed operation, fast and convenient.



High waterproof performance

The product can reach the IP65 protection level or above in the connected state. At present, it is standard IP65. Users can choose IP67 or IP68 level according to their needs.



Cold and heat resistance

Can adapt to a wide range of high and low temperature ambient temperatures: -25~+85° C for plastic and -40~+85° C for metal.



More efficient and reliable transmission

The contact parts are made of high-end imported copper alloy, and the surface is gold-plated to ensure long-term stability of the contact resistance value and efficient and reliable transmission performance of the connector.

Type and Style



Multiple styles

All-plastic/all-metal/semi-metal three types are available, which can meet the differentiated needs of users for high corrosion resistance, anti-interference, and high strength.



Flexible installation

The LP series has three installation methods: single-hole threaded receptacle, four-hole flange receptacle, two-hole flange receptacle, and floating connection. Users can choose according to actual application scenarios.



Users can choose a variety of wiring methods

The LP series provides product types with two connection methods: locking screw and soldering. Locking screw is quick and convenient, and soldering is more reliable.



Color can be customized, your exclusive style

The LP series can now provide customized services in white, blue and other colors of the shell body to meet the personalized needs of users.

Product Structure Image

Dozens of high-quality parts are precisely engaged to ensure the safety and stability of the connector.



Series Infographic



LP-12 Series Information Overview		P23
Product application type:	Power: 2/3/4 pins	
	Signal: 5/6/7/8 pins	
	The current is connected with the operating voltage: 125V(2~6 pins),100V(7~8 pins) The rated current: 5A (2~6 pins), 3A (7~8 pins)	
Cable O.D	Multi-pin type: Φ 5.0~6.5mm (Metal) ; Φ 5.0~6.0mm、 Φ 4.0~5.5mm、 Φ 3.5~4.5mm (Plastic)	
Details page:	Product Parameter Map: P23	Dimension Drawing: P27

LP-16 Series Information Overview		P29
Product application type:	Power: 2/3/4 pins	Data: Type-c
	Signal: 5/7/8/9 pins, RJ45, Optical fiber	
	The current is connected with the operating voltage: 400V(2~4 pins) , 250V(5、 7~9 pins) The rated current: 10A (2~4 pins) , 5A (5、 7~9 pins)	
Cable O.D	Multi-pin type: Φ 7.0~9.0mm、 Φ 5.0~7.0mm、 Φ 3.0~5.0mm	
Details page:	Product Parameter Map: P29	Dimension Drawing: P35

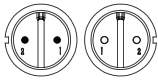
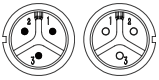
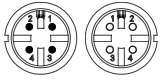
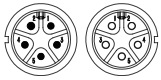
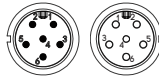
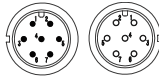
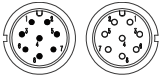
LP-20 Series Information Overview		P37
Product application type:	Power: 2/3/4 pins	
	Signal: 5/7/9/12/14 pin	
	The current is connected with the operating voltage: 500V (2~5、 7 pins) , 250V (8-pins hybrid、 9、 12、 14pins) The rated current: 20A (2~4pins) ,10A (5、 7pins) ,20A+5A (8-pins hybrid) ,5A (9、 12、 14pins)	
Cable O.D:	Multi-pin type: Φ 10.0~12.2mm (Metal) , Φ 10.0~12.0mm、 Φ 7.0~8.5mm、 Φ 5.0~6.5mm	
Details page:	Product Parameter Map: P37	Dimension Drawing: P41

LP-24 Series Information Overview		P43
Product application type:	Power: 2/3/4 pins	Signal: 10/12/19/24 pins, RJ45, optical fiber
	Data: USB, HDMI	
	The current is connected with the operating voltage: 500V (2~4 pins) , 400V (10、 12 pins) , 250V (19、 24 pins) The rated current: 45A (3 pins), 35A (2、 3 pins), 25A (4 pins), 10A (10、 12 pins), 5A (19、 24 pins)	
Cable O.D	Multi-pin type: Φ 10.5~14.0mm、 Φ 7.5~10.5mm、 Φ 5.0~7.0mm、 Φ 4.5~6.0mm	
	Data type: Φ 5.0~ Φ 7.0mm (USB、 HDMI) Signal type: Φ 5.0~ Φ 7.0mm (RJ45) , Φ 4.5~ Φ 6.0mm (Optical fiber)	
Details page:	Product Parameter Map: P43	Dimension Drawing: P45

LP-28 Series Information Overview		P47
Product application type:	Power: 2/3 pins	
	Signal: 8 pins	
	The current is connected with the operating voltage: 500V(2~3 pins),300V(8 pins) The rated current: 50A (2、 3 pins), 35A (3 pins), 15A (8 pins)	
Cable O.D:	Multi-pin type: Φ 17.0~20.5mm, Φ 10.0~15.0mm	
Details page:	Product Parameter Map: P47	Dimension Drawing: P48

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LP12 Power/Signal	Product Series		LP-12																			
	Pin Number		2PIN		3PIN		3PIN		4PIN		5PIN		6PIN		7PIN		8PIN		—		—	
	Application Type Section		 Male Female		 Male Female		 Male Female		 Male Female		 Male Female		 Male Female		 Male Female		 Male Female		 — —			
	Current Rating		5A										5A		3A		—		—			
	Voltage Rating		AC 125V										AC 125V		AC 100V		—		—			
	Cable O.D Range		≤ ϕ 7.0mm										≤ ϕ 7.0mm				—		—			
	Wire Size		0.5mm²/20AWG										0.5mm²/20AWG		0.34mm²/22AWG		—		—			
	Protection Level		Standard is IP65, IP67&IP68 Option Available										Standard is IP65, IP67&IP68 Option Available				—		—			
	Assembly Method		Soldering				Screwing		Soldering				Soldering				—		—			
Illustration	Material	Part No																				
Plug	Plastic	Male	LP-12-C02PE-02-001	LP-12-C03PE-02-001	LP-12-C03PE-22-003	LP-12-C04PE-02-001		LP-12-C05PE-02-001	LP-12-C06PE-02-001	LP-12-C07PE-02-001	LP-12-C08PE-02-001	—	—									
		Female	LP-12-J02PE-02-004	LP-12-J03PE-02-004	—	LP-12-J04PE-02-004		LP-12-J05PE-02-004	LP-12-J06PE-02-004	LP-12-J07PE-02-004	LP-12-J08PE-02-004	—	—									
In-line receptacle		Male	LP-12-C02PP-02-003	LP-12-C03PP-02-003	—	LP-12-C04PP-02-003		LP-12-C05PP-02-003	LP-12-C06PP-02-003	LP-12-C07PP-02-003	LP-12-C08PP-02-003	—	—									
		Female	LP-12-J02PP-02-001	LP-12-J03PP-02-001	LP-12-J03PP-22-001	LP-12-J04PP-02-001		LP-12-J05PP-02-001	LP-12-J06PP-02-001	LP-12-J07PP-02-001	LP-12-J08PP-02-001	—	—									
Single hole straight receptacle		Male	LP-12-C02SX-02-104	LP-12-C03SX-02-104	—	LP-12-C04SX-02-104		LP-12-C05SX-02-104	LP-12-C06SX-02-104	LP-12-C07SX-02-104	LP-12-C08SX-02-104	—	—									
		Female	LP-12-J02SX-02-101	LP-12-J03SX-02-101	LP-12-J03SX-22-101	LP-12-J04SX-02-101		LP-12-J05SX-02-101	LP-12-J06SX-02-101	LP-12-J07SX-02-101	LP-12-J08SX-02-101	—	—									
Four-hole flange receptacle		Male	LP-12-C02SX-02-404	LP-12-C03SX-02-404	—	LP-12-C04SX-02-404		LP-12-C05SX-02-404	LP-12-C06SX-02-404	LP-12-C07SX-02-404	LP-12-C08SX-02-404	—	—									
		Female	LP-12-J02SX-02-401	LP-12-J03SX-02-401	LP-12-J03SX-22-401	LP-12-J04SX-02-401		LP-12-J05SX-02-401	LP-12-J06SX-02-401	LP-12-J07SX-02-401	LP-12-J08SX-02-401	—	—									

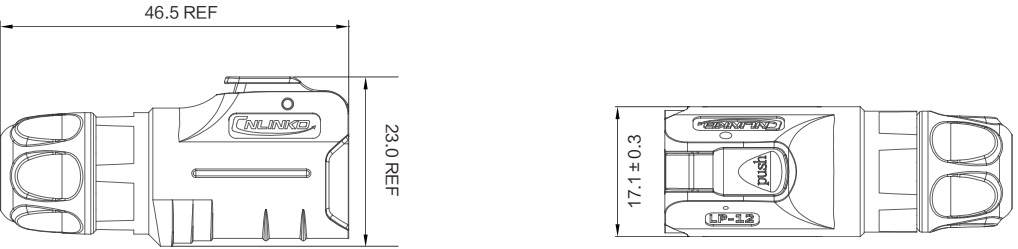
LP-12 Datasheet

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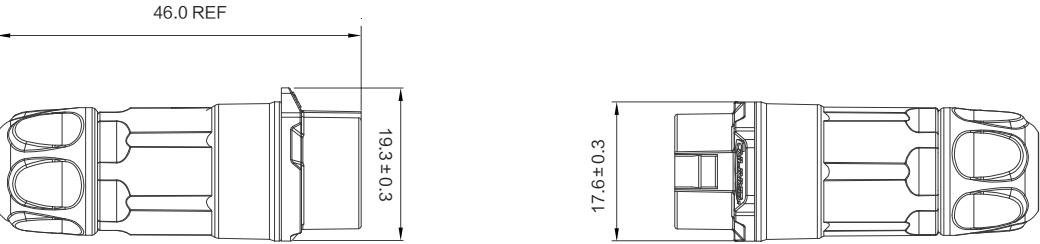
LP12 Power/Signal	Product Series		LP-12																					
	Pin Number		2PIN		3PIN		3PIN		4PIN		5PIN		6PIN		7PIN		8PIN		—					
	Application Type Section		 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male		 Female	 Male		 Female	 Male		 Female	 Male		 Female	—	
	Current Rating		5A									5A				3A				—				
	Voltage Rating		AC 125V									AC 125V				AC 100V				—				
	Cable O.D Range		≤ ϕ 7.0mm									≤ ϕ 7.0mm								—				
	Wire Size		0.5mm ² /20AWG									0.5mm ² /20AWG				0.34mm ² /22AWG				—				
	Protection Level		Standard is IP65, IP67&IP68 Option Avaliable									Standard is IP65, IP67&IP68 Option Avaliable								—				
	Assembly Method		Soldering					Soldering					Soldering							—				
	Illustration	Material	Part No																					
Plug	Metal	Male	LP-12-C02PE-03-001	LP-12-C03PE-03-001	LP-12-C03PE-21-002	LP-12-C04PE-03-001	LP-12-C05PE-03-001		LP-12-C06PE-03-001		LP-12-C07PE-03-001		LP-12-C08PE-03-001		—									
		Female	—	—	—	—	—		—		—		—		—									
In-line receptacle		Male	—	—	—	—	—		—		—		—		—									
		Female	LP-12-J02PP-01-001	LP-12-J03PP-01-001	LP-12-J03PP-21-002	LP-12-J04PP-01-001	LP-12-J05PP-01-001		LP-12-J06PP-01-001		LP-12-J07PP-01-001		LP-12-J08PP-01-001		—									
Single hole straight receptacle		Male	—	—	—	—	—		—		—		—		—									
		Female	LP-12-J02SX-03-101	LP-12-J03SX-03-101	LP-12-J03SX-23-101	LP-12-J04SX-03-101	LP-12-J05SX-03-101		LP-12-J06SX-03-101		LP-12-J07SX-03-101		LP-12-J08SX-03-101		—									
Four-hole flange receptacle		Male	—	—	—	—	—		—		—		—		—									
		Female	LP-12-J02SX-03-401	LP-12-J03SX-03-401	LP-12-J03SX-23-401	LP-12-J04SX-03-401	LP-12-J05SX-03-401		LP-12-J06SX-03-401		LP-12-J07SX-03-401		LP-12-J08SX-03-401		—									

LP-12 Dimension Drawing (unit: mm)

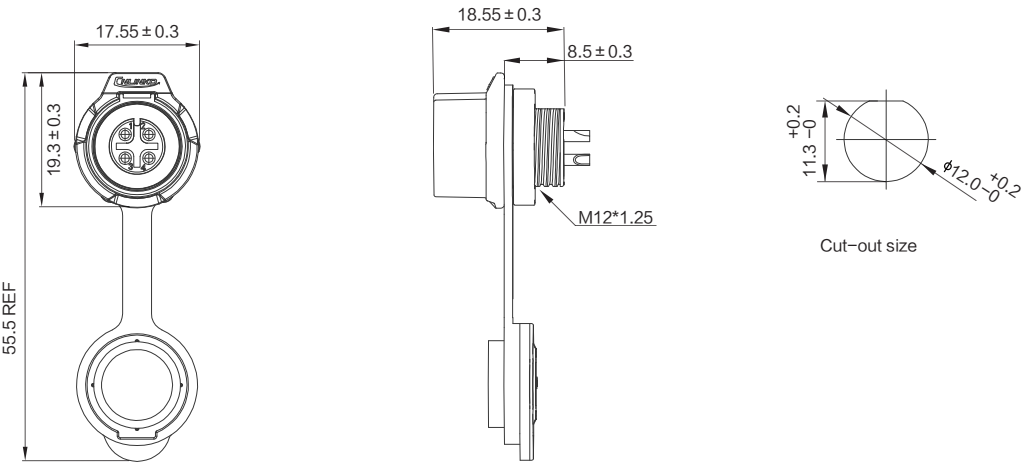
Plastic plug



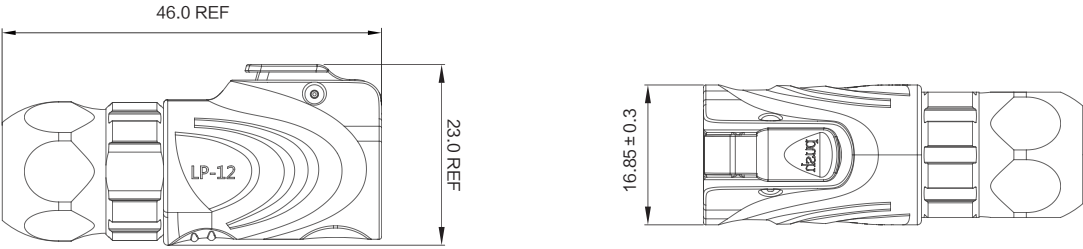
In-line receptacle



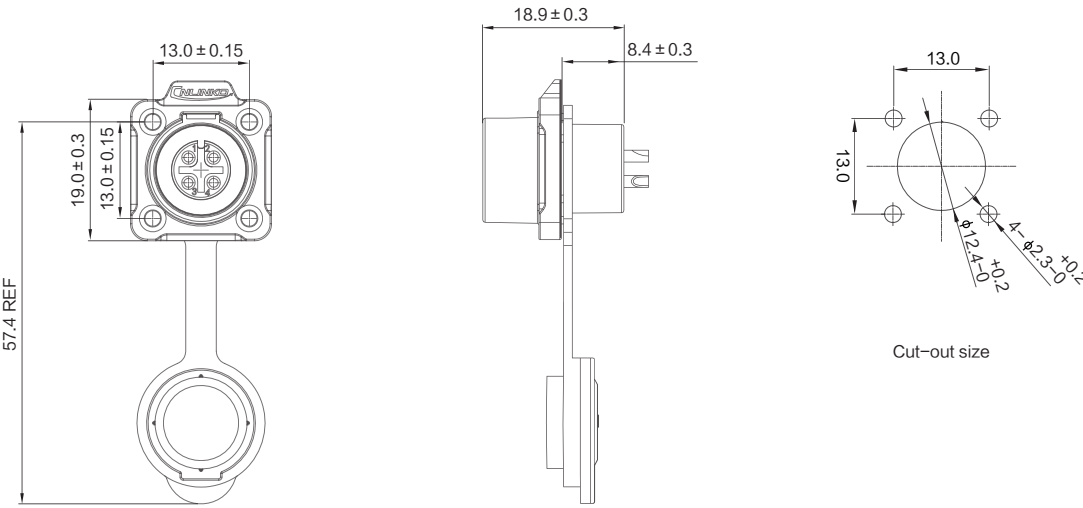
Single hole straight receptacle



Metal plug



Four-hole flange receptacle



LP-16 Datasheet

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LP16 Power/Signal	Product Series		LP-16																				
	Pin Number		2PIN		3PIN		4PIN		5PIN		7PIN		8PIN		9PIN		RJ45		Type- C		—		
	Application Type Section		 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male		 Female	 Male	 Female	 Male	 Female			—			
	Current Rating		10A						5A		5A						1.5A		5A		—		
	Voltage Rating		AC 400V						AC 250V		AC 250V						AC 125V		DC 20V		—		
	Cable O.D Range		≤ ϕ 9.0mm						≤ ϕ 9.0mm						≤ ϕ 7.0mm		—		—				
	Wire Size		1.5mm ² /16AWG						0.50mm ² /20AWG		0.50mm ² /20AWG						—		—		—		
	Protection Level		Standard is IP65, IP67&IP68 Option Availiable						Standard is IP65, IP67&IP68 Option Availiable						—		—		—				
	Assembly Method		Soldering						Soldering		Soldering						—		—		—		
Illustration	Material	Part No																					
Plug	塑膠	Male	LP-16-C02PE-02-001	LP-16-C03PE-02-001	LP-16-C04PE-02-001	LP-16-C05PE-02-001	LP-16-C07PE-02-001		LP-16-C08PE-02-001	LP-16-C09PE-02-001	LP-16-C/RJ45/015/PE-42-001	LP-16-TYPEC-MP-MP-1M-002	—										
		Female	LP-16-J02PE-02-001	LP-16-J03PE-02-001	LP-16-J04PE-02-001	LP-16-J05PE-02-001	LP-16-J07PE-02-001		LP-16-J08PE-02-001	LP-16-J09PE-02-001	—	—	—										
In-line receptacle		Male	LP-16-C02PP-02-001	LP-16-C03PP-02-001	LP-16-C04PP-02-001	LP-16-C05PP-02-001	LP-16-C07PP-02-001		LP-16-C08PP-02-001	LP-16-C09PP-02-001	—	—	—										
		Female	LP-16-J02PP-02-001	LP-16-J03PP-02-001	LP-16-J04PP-02-001	LP-16-J05PP-02-001	LP-16-J07PP-02-001		LP-16-J08PP-02-001	LP-16-J09PP-02-001	LP-16-J/RJ45/213/PP-42-001	—	—										
Single hole straight receptacle		Male	LP-16-C02SX-02-101	LP-16-C03SX-02-101	LP-16-C04SX-02-101	LP-16-C05SX-02-101	LP-16-C07SX-02-101		LP-16-C08SX-02-101	LP-16-C09SX-02-101	—	LP-16-J/TYPE C31/215/SX-42-401	—										
		Female	LP-16-J02SX-02-101	LP-16-J03SX-02-101	LP-16-J04SX-02-101	LP-16-J05SX-02-101	LP-16-J07SX-02-101		LP-16-J08SX-02-101	LP-16-J09SX-02-101	LP-16-J/RJ45/110/SX-02-101	—	—										
Two-hole flange receptacle		Male	—	—	—	—	—		—	—	—	—	—										
		Female	—	—	—	—	—		—	—	—	LP-16-J/RJ45/113/SX-02-201	—										
Four-hole flange receptacle		Male	LP-16-C02SX-02-401	LP-16-C03SX-02-401	LP-16-C04SX-02-401	LP-16-C05SX-02-401	LP-16-C07SX-02-401		LP-16-C08SX-02-401	LP-16-C09SX-02-401	—	—	—										
		Female	LP-16-J02SX-02-401	LP-16-J03SX-02-401	LP-16-J04SX-02-401	LP-16-J05SX-02-401	LP-16-J07SX-02-401		LP-16-J08SX-02-401	LP-16-J09SX-02-401	LP-16-J/RJ45/113/SX-02-201	LP-16-J/TYPE C31/215/SX-42-101	—										

LP-16 Datasheet

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LP16 Power/Signal	Product Series		LP-16																						
	Pin Number		2PIN		3PIN		4PIN		5PIN		7PIN		8PIN		9PIN		—	—	—						
	Application Type Section		 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	—	—	—						
	Current Rating		10A						5A						5A						—	—	—		
	Voltage Rating		AC 400V						AC 250V						AC 250V						—	—	—		
	Cable O.D Range		≤ ϕ 9.0mm										≤ ϕ 9.0mm										—	—	—
	Wire Size		1.5mm ² /16AWG						0.5mm ² /20AWG						0.5mm ² /20AWG						—	—	—		
	Protection Level		Standard is IP65, IP67&IP68 Option Avaliable										Standard is IP65, IP67&IP68 Option Avaliable												
	Assembly Method		Soldering						Soldering		Soldering														
Illustration	Material	Part No																							
Plug	Plastic / Metal	Male	LP-16-C02PE-01-001	LP-16-C03PE-01-001	LP-16-C04PE-01-001	LP-16-C05PE-01-001	LP-16-C07PE-01-001		LP-16-C08PE-01-001	LP-16-C09PE-01-001	—	—	—												
		Female	LP-16-J02PE-01-001	LP-16-J03PE-01-001	LP-16-J04PE-01-001	LP-16-J05PE-01-001	LP-16-J07PE-01-001		LP-16-J08PE-01-001	LP-16-J09PE-01-001	—	—	—												
RJ45		Male	LP-16-C02PP-01-001	LP-16-C03PP-01-001	LP-16-C04PP-01-001	LP-16-C05PP-01-001	LP-16-C07PP-01-001		LP-16-C08PP-01-001	LP-16-C09PP-01-001	—	—	—												
		Female	LP-16-J02PP-01-001	LP-16-J03PP-01-001	LP-16-J04PP-01-001	LP-16-J05PP-01-001	LP-16-J07PP-01-001		LP-16-J08PP-01-001	LP-16-J09PP-01-001	—	—	—												
Optical fiber		Male	LP-16-C02SX-03-101	LP-16-C03SX-03-101	LP-16-C04SX-03-101	LP-16-C05SX-03-101	LP-16-C07SX-03-101		LP-16-C08SX-03-101	LP-16-C09SX-03-101	—	—	—												
		Female	LP-16-J02SX-03-101	LP-16-J03SX-03-101	LP-16-J04SX-03-101	LP-16-J05SX-03-101	LP-16-J07SX-03-101		LP-16-J08SX-03-101	LP-16-J09SX-03-101	—	—	—												
Optical fiber receptacle		Male	LP-16-C02SX-03-401	LP-16-C03SX-03-401	LP-16-C04SX-03-401	LP-16-C05SX-03-401	LP-16-C07SX-03-401		LP-16-C08SX-03-401	LP-16-C09SX-03-401	—	—	—												
		Female	LP-16-J02SX-03-401	LP-16-J03SX-03-401	LP-16-J04SX-03-401	LP-16-J05SX-03-401	LP-16-J07SX-03-401		LP-16-J08SX-03-401	LP-16-J09SX-03-401	—	—	—												

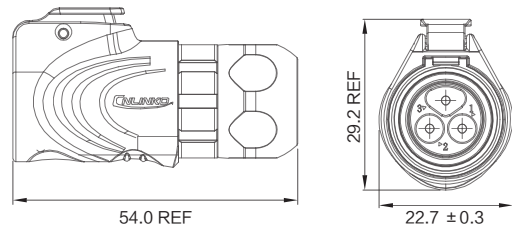
LP-16 Datasheet

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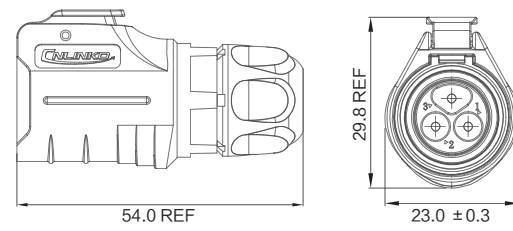
LP16 Power/Signal	Product Series		LP-16																							
	Pin Number		2PIN		3PIN		4PIN		5PIN		7PIN		8PIN		9PIN		RJ45		—		—					
	Application Type Section		 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male		 Female	 Male	 Female	 Male	 Female		—		—					
	Current Rating		10A						5A						5A						1.5A		—		—	
	Voltage Rating		AC 400V						AC 250V						AC 250V						AC 125V		—		—	
	Cable O.D Range		≤ ϕ 9.0mm										≤ ϕ 9.0mm						≤ ϕ 9.0mm		—		—		—	
	Wire Size		1.5mm ² /16AWG						0.5mm ² /20AWG						0.5mm ² /20AWG						—		—		—	
	Protection Level		Standard is IP65, IP67&IP68 Option Avaliable										Standard is IP65, IP67&IP68 Option Avaliable													
	Assembly Method		Soldering / Screwing						Soldering		Soldering															
	Illustration	Material	Part No																							
Plug	Metal	Male	LP-16-C02PE-03-001	LP-16-C03PE-03-001	LP-16-C04PE-03-001	LP-16-C05PE-03-001	LP-16-C07PE-03-001		LP-16-C08PE-03-001	LP-16-C09PE-03-001	LP-16-C/RJ45/015/PE-43-001	—	—													
		Female	LP-16-J02PE-03-001	LP-16-J03PE-03-001	LP-16-J04PE-03-001	LP-16-J05PE-03-001	LP-16-J07PE-03-001		LP-16-J08PE-03-001	LP-16-J09PE-03-001	—	—	—													
In-line receptacle	Metal + Plastic	Male	LP-16-C02PP-01-001	LP-16-C03PP-01-001	LP-16-C04PP-01-001	LP-16-C05PP-01-001	LP-16-C07PP-01-001		LP-16-C08PP-01-001	LP-16-C09PP-01-001	—	—	—													
		Female	LP-16-J02PP-01-001	LP-16-J03PP-01-001	LP-16-J04PP-01-001	LP-16-J05PP-01-001	LP-16-J07PP-01-001		LP-16-J08PP-01-001	LP-16-J09PP-01-001	—	—	—													
Single hole straight receptacle	Metal	Male	LP-16-C02SX-03-101	LP-16-C03SX-03-101	LP-16-C04SX-03-101	LP-16-C05SX-03-101	LP-16-C07SX-03-101		LP-16-C08SX-03-101	LP-16-C09SX-03-101	—	—	—													
		Female	LP-16-J02SX-03-101	LP-16-J03SX-03-101	LP-16-J04SX-03-101	LP-16-J05SX-03-101	LP-16-J07SX-03-101		LP-16-J08SX-03-101	LP-16-J09SX-03-101	—	—	—													
Four-hole flange receptacle		Male	LP-16-C02SX-03-401	LP-16-C03SX-03-401	LP-16-C04SX-03-401	LP-16-C05SX-03-401	LP-16-C07SX-03-401		LP-16-C08SX-03-401	LP-16-C09SX-03-401	—	—	—													
		Female	LP-16-J02SX-03-401	LP-16-J03SX-03-401	LP-16-J04SX-03-401	LP-16-J05SX-03-401	LP-16-J07SX-03-401		LP-16-J08SX-03-401	LP-16-J09SX-03-401	LP-16-J/RJ45/210/SX-03-401	—	—	—												

—○— LP-16 Dimension Drawing (unit: mm)

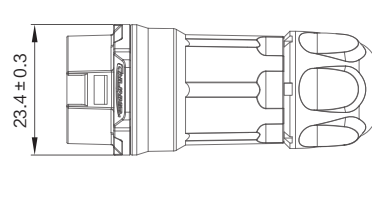
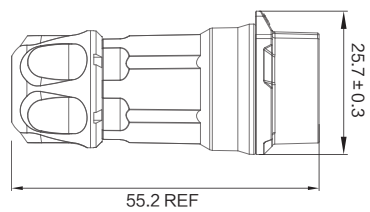
Metal Plug



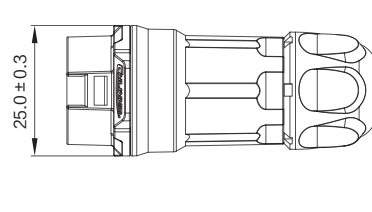
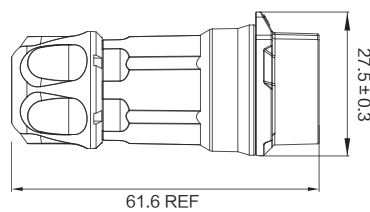
Plastic Plug



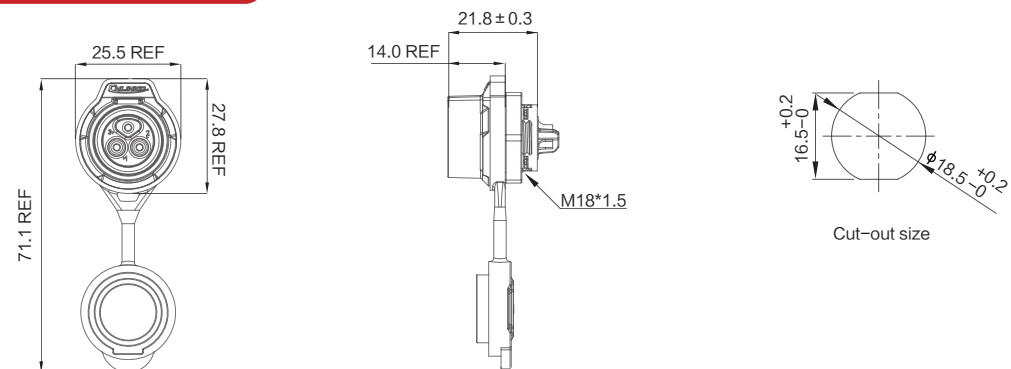
In-line receptacle



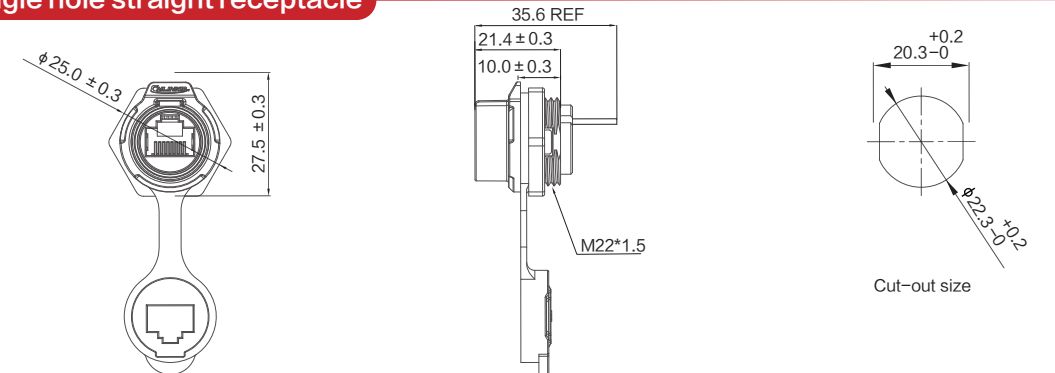
RJ45 In-line receptacle



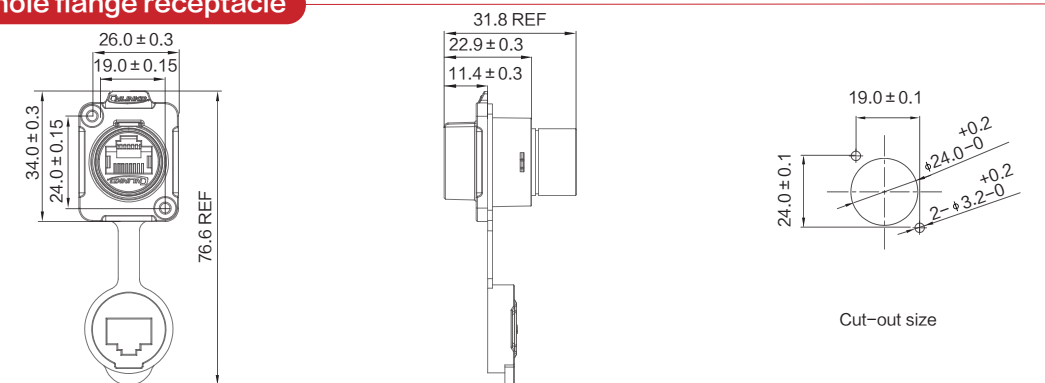
Single hole straight receptacle



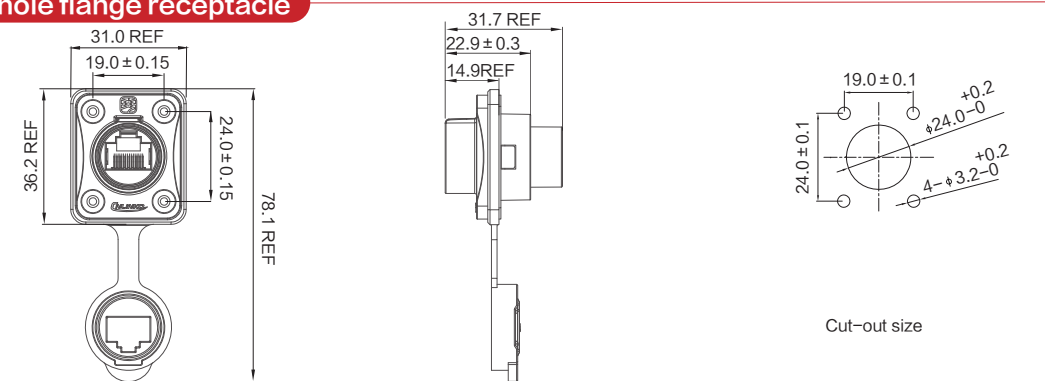
RJ45 Single hole straight receptacle



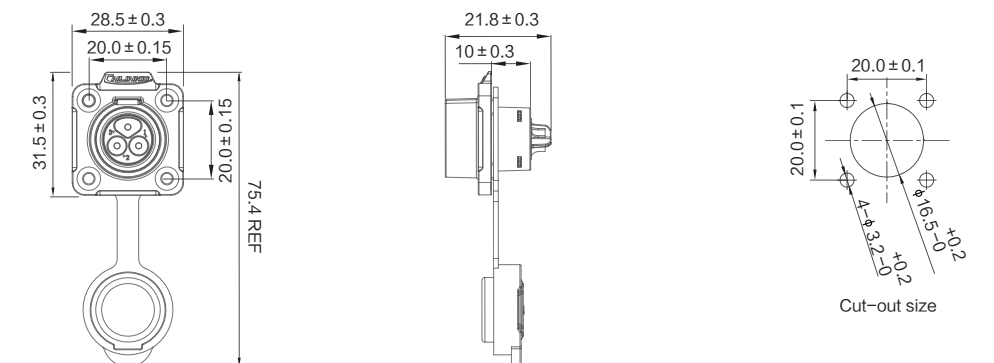
RJ45 Two-hole flange receptacle



RJ45 Four-hole flange receptacle



Four-hole flange receptacle



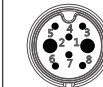
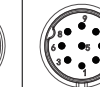
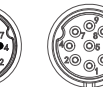
LP-20 Datasheet

LP-20

LP20 Power/Signal	Product Series		LP-20																					
	Pin Number		2PIN		3PIN		4PIN		5PIN		7PIN		8PIN		9PIN		12PIN		14PIN		—			
	Application Type Section		 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male		 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	—		
	Current Rating		20A						10A		10A		20A+5A		5A						—			
	Voltage Rating		AC 500V						AC 500V		AC 500V		AC 250V		AC 250V						—			
	Cable O.D Range		≤ ϕ 12.0mm										≤ ϕ 12.0mm										—	
	Wire Size		2.5mm ² /12AWG						1.5mm ² /16AWG		1.5mm ² /16AWG		2.5mm ² /12AWG 0.5mm ² /20AWG		0.5mm ² /20AWG						—			
	Protection Level		Standard is IP65, IP67&IP68 Option Aavailable										Standard is IP65, IP67&IP68 Option Aavailable											
	Assembly Method		Soldering / Screwing				Soldering				Soldering													
	Illustration	Material	Part No																					
Plug	Metal + Plastic	Male	LP-20-C02PE-01-001A	LP-20-C03PE-01-001A	LP-20-C04PE-01-001A	LP-20-C05PE-01-001A	LP-20-C07PE-01-001A		LP-20-C08PE-01-051	LP-20-C09PE-01-001A	LP-20-C12PE-01-001A	LP-20-C14PE-01-001A	—											
		Female	LP-20-J02PE-01-002A	LP-20-J03PE-01-003A	LP-20-J04PE-01-002A	LP-20-J05PE-01-002A	LP-20-J07PE-01-002A		LP-20-J08PE-01-051A	LP-20-J09PE-01-002A	LP-20-J12PE-01-002A	LP-20-J14PE-01-001A	—											
Plug	Metal	Male	LP-20-C02PE-03-001A	LP-20-C03PE-03-001A	LP-20-C04PE-03-001A	LP-20-C05PE-03-001A	LP-20-C07PE-03-001A		LP-20-C08PE-03-001A	LP-20-C09PE-03-001A	LP-20-C12PE-03-001A	LP-20-C14PE-03-001A	—											
		Female	LP-20-J02PE-03-001A	LP-20-J03PE-03-001A	LP-20-J04PE-03-001A	LP-20-J05PE-03-001A	LP-20-J07PE-03-001A		LP-20-J08PE-03-001A	LP-20-J09PE-03-001A	LP-20-J12PE-03-001A	LP-20-J14PE-03-001A	—											
Single hole straight receptacle		Male	LP-20-C02SX-03-101A	LP-20-C03SX-03-101A	LP-20-C04SX-03-101A	LP-20-C05SX-03-101A	LP-20-C07SX-03-101A		LP-20-C08SX-03-151	LP-20-C09SX-03-101A	LP-20-C12SX-03-101A	LP-20-C14SX-03-101A	—											
		Female	LP-20-J02SX-03-101A	LP-20-J03SX-03-101A	LP-20-J04SX-03-101A	LP-20-J05SX-03-101A	LP-20-J07SX-03-101A		LP-20-J08SX-03-151	LP-20-J09SX-03-101A	LP-20-J12SX-03-101A	LP-20-J14SX-03-101A	—											
Two-hole flange receptacle		Male	LP-20-C02SX-03-201A	LP-20-C03SX-03-201A	LP-20-C04SX-03-201A	LP-20-C05SX-03-201A	LP-20-C07SX-03-201A		LP-20-C08SX-03-251	LP-20-C09SX-03-201A	LP-20-C12SX-03-201A	LP-20-C14SX-03-201A	—											
		Female	LP-20-J02SX-03-201A	LP-20-J03SX-03-201A	LP-20-J04SX-03-201A	LP-20-J05SX-03-201A	LP-20-J07SX-03-201A		LP-20-J08SX-03-251	LP-20-J09SX-03-201A	LP-20-J12SX-03-201A	LP-20-J14SX-03-201A	—											
Four-hole flange receptacle		Male	LP-20-C02SX-03-401A	LP-20-C03SX-03-401A	LP-20-C04SX-03-401A	LP-20-C05SX-03-401A	LP-20-C07SX-03-401A		LP-20-C08SX-03-451A	LP-20-C09SX-03-401A	LP-20-C12SX-03-401A	LP-20-C14SX-03-401A	—											
		Female	LP-20-J02SX-03-401A	LP-20-J03SX-03-401A	LP-20-J04SX-03-401A	LP-20-J05SX-03-401A	LP-20-J07SX-03-401A		LP-20-J08SX-03-451	LP-20-J09SX-03-401A	LP-20-J12SX-03-401A	LP-20-J14SX-03-401A	—											

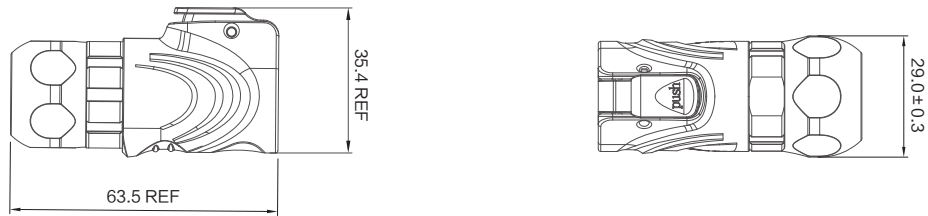
LP-20 Datasheet

LP-20

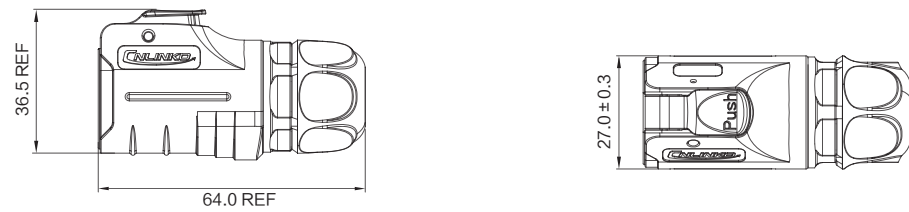
LP20 Power/Signal	Product Series		LP-20																					
	Pin Number		2PIN		3PIN		4PIN		5PIN		7PIN		8PIN		9PIN		12PIN		14PIN		—			
	Application Type Section		 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male		 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	—		
	Current Rating		20A						10A				20A+5A		5A						—			
	Voltage Rating		AC 500V						AC 500V				AC 250V		AC 250V						—			
	Cable O.D Range		≤ ϕ 12.0mm																		—			
	Wire Size		2.5mm ² /12AWG						1.5mm ² /16AWG						2.5mm ² /12AWG 0.5mm ² /20AWG		0.5mm ² /20AWG						—	
	Protection Level		Standard is IP65, IP67&IP68 Option Aavailable																					
	Assembly Method		Soldering/Screwing				Soldering				Soldering													
	Illustration	Material	Part No																					
Plug	Plastic	Male	LP-20-C02PE-02-001A	LP-20-C03PE-02-001A	LP-20-C04PE-02-001A	LP-20-C05PE-02-001A	LP-20-C07PE-02-001A		LP-20-C08PE-02-051	LP-20-C09PE-02-001A	LP-20-C12PE-02-001A	LP-20-C14PE-02-001A	—											
		Female	LP-20-J02PE-02-001A	LP-20-J03PE-02-001A	LP-20-J04PE-02-001A	LP-20-J05PE-02-001A	LP-20-J07PE-02-001A		LP-20-J08PE-02-051	LP-20-J09PE-02-001A	LP-20-J12PE-02-001A	LP-20-J14PE-02-001A	—											
In-line receptacle		Male	LP-20-C02PP-02-001A	LP-20-C03PP-02-001A	LP-20-C04PP-02-001A	LP-20-C05PP-02-001A	LP-20-C07PP-02-001A		LP-20-C08PP-02-001A	LP-20-C09PP-02-001A	LP-20-C12PP-02-001A	LP-20-C14PP-02-001A	—											
		Female	LP-20-J02PP-02-001A	LP-20-J03PP-02-001A	LP-20-J04PP-02-001A	LP-20-J05PP-02-001A	LP-20-J07PP-02-001A		LP-20-J08PP-02-001A	LP-20-J09PP-02-001A	LP-20-J12PP-02-001A	LP-20-J14PP-02-001A	—											
Single hole straight receptacle		Male	LP-20-C02SX-02-101A	LP-20-C03SX-02-101A	LP-20-C04SX-02-101A	LP-20-C05SX-02-101A	LP-20-C07SX-02-101A		LP-20-C08SX-02-151A	LP-20-C09SX-02-101A	LP-20-C12SX-02-101A	LP-20-J12SX-02-101A	—											
		Female	LP-20-J02SX-02-101A	LP-20-J03SX-02-101A	LP-20-J04SX-02-101A	LP-20-J05SX-02-101A	LP-20-J07SX-02-101A		LP-20-J08SX-02-151	LP-20-J09SX-02-101A	LP-20-J12SX-02-101A	LP-20-J14SX-02-101A	—											

LP-20 Dimension Drawing (unit: mm)

Metal Plug



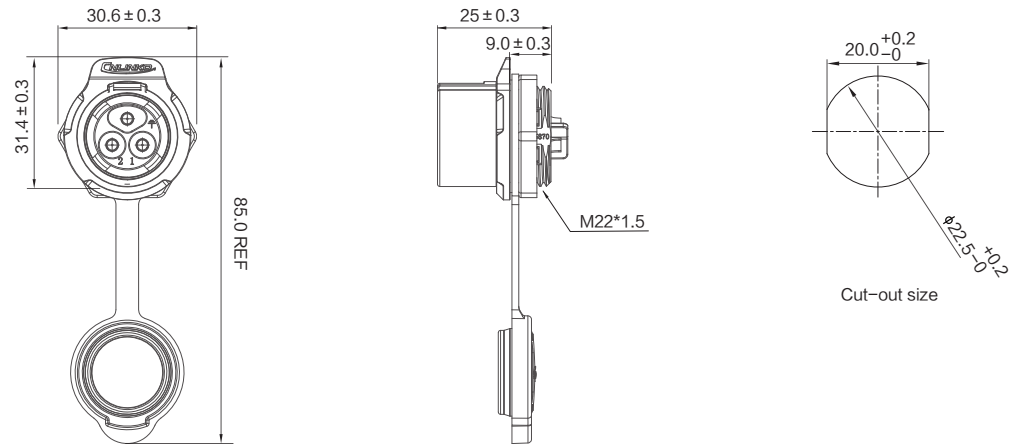
Plastic Plug



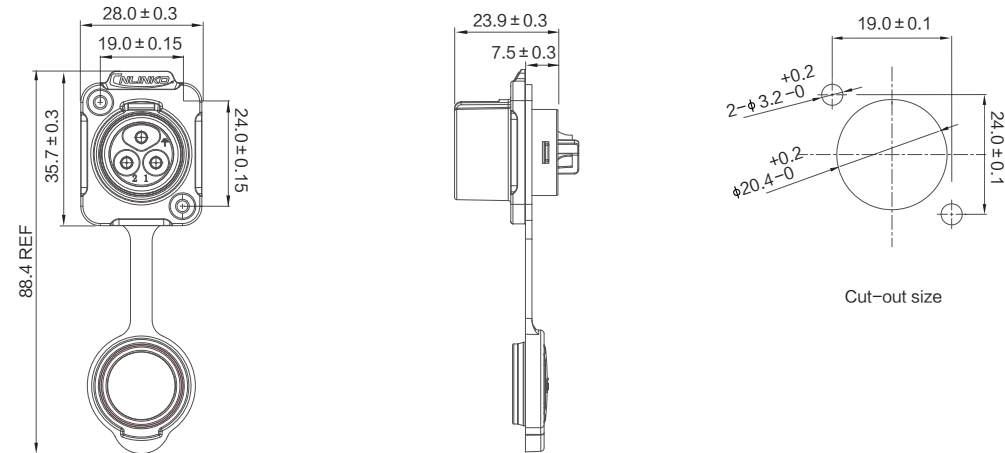
In-line receptacle



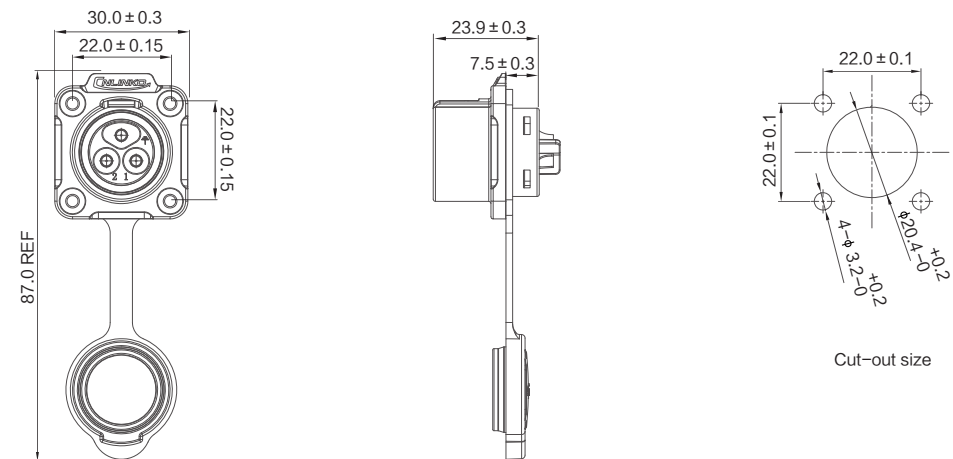
Single hole straight receptacle



Two-hole flange receptacle

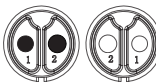
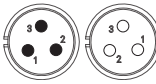
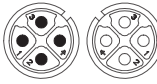
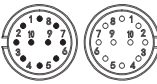
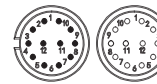
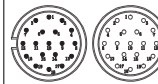
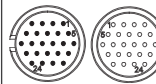
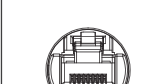


Four-hole flange receptacle



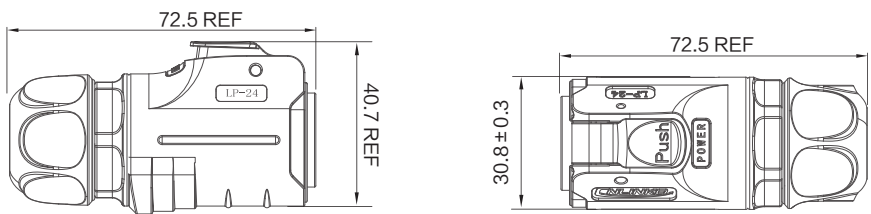
LP-24 Datasheet

LP-24

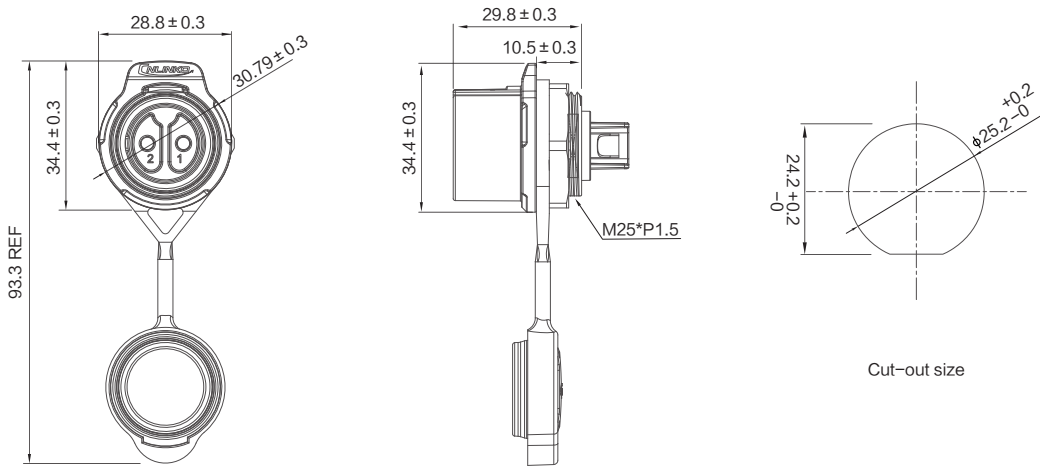
LP24 Power/Signal	Product Series		LP-24																				
	Pin Number		2PIN		3PIN		4PIN		10PIN		12PIN		19PIN		24PIN		RJ45	HDMI	USB2.0	USB3.0	Optical fiber		
	Application Type Section		 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female	 Male	 Female							
	Current Rating		35A		45A		25A		10A		10A		5A		1.5A		0.5A		500mA		900mA		—
	Voltage Rating		AC 500V						AC 400V		AC 400V		AC 250V		AC 125V		AC 5V						
	Cable O.D Range		≤ ϕ 14.0mm																				
	Wire Size		6.0mm ² /10AWG		8.0mm ² /8AWG Electronic wire		4.0mm ² /12AWG		1.5mm ² /16AWG		1.5mm ² /16AWG		0.5mm ² /20AWG		—		—		—				
	Protection Level		Standard is IP65, IP67&IP68 Option Avaliable																				
	Assembly Method		Soldering		Soldering / Screwing		Soldering		Soldering														
	Illustration	Material	Part No																				
Plug	Plastic / Metal	Male	LP-24-C02PE-01-035	LP-24-C03PE-01-035	LP-24-C03PE-01-050	LP-24-C04PE-01-001	LP-24-C10PE-01-001A	LP-24-C12PE-01-001A	LP-24-C19PE-01-001A	LP-24-C24PE-01-001A	LP-24-C/RJ45/015/PE-41-001	LP24-HDMI-MP-MP-1M-001	LP-24-C/USB3/016/PE-43-001	LP24-USB3-MP-MP-1M-001	LP-24-C/LC/016/PE-41-004 LP-24-C/LC/016/PE-41-001								
		Female	LP-24-J02PE-01-035A	LP-24-J03PE-01-035	LP-24-J03PE-01-050	LP-24-J04PE-01-001	LP-24-J10PE-01-001A	LP-24-J12PE-01-001A	LP-24-J19PE-01-001A	LP-24-J24PE-01-001A	—	—	—	—	—								
Single hole straight receptacle		Male	LP-24-C02PP-01-035	LP-24-C03PP-01-035A	LP-24-C03PP-01-050	LP-24-C04PP-01-001	LP-24-C10PP-01-001	LP-24-C12PP-01-001	LP-24-C19PP-01-001	LP-24-C24PP-01-001	—	—	—	—	—								
		Female	LP-24-J02PP-01-035	LP-24-J03PP-01-035A	LP-24-J03PP-01-050	LP-24-J04PP-01-001	LP-24-J10PP-01-001	LP-24-J12PP-01-001	LP-24-J19PP-01-001	LP-24-J24PP-01-001	—	—	—	—	—								
Two-hole flange receptacle		Male	LP-24-C02SX-03-135	LP-24-C03SX-03-135A	LP-24-C03SX-03-150	LP-24-C04SX-03-101	LP-24-C10SX-03-101	LP-24-C12SX-03-101	LP-24-C19SX-03-101	LP-24-C24SX-03-101	—	—	—	—	—								
		Female	LP-24-J02SX-03-135	LP-24-J03SX-03-135A	LP-24-J03SX-03-150	LP-24-J04SX-03-101	LP-24-J10SX-03-101	LP-24-J12SX-03-101	LP-24-J19SX-03-101	LP-24-J24SX-03-101	LP-24-J/RJ45/213/SX-43-102A	LP-24-J/HDMI2/213/SX-43-101A	LP-24-J/USB2/213/SX-43-101A	LP-24-J/USB3/213/SX-43-101A	LP-24-J/LC/213/SX-43-101A LP-24-J/LC/213/SX-43-102A								
Four-hole flange receptacle		Male	LP-24-C02SX-03-435	LP-24-C03SX-03-435	LP-24-C03SX-03-450	LP-24-C04SX-03-401	LP-24-C10SX-03-401A	LP-24-C12SX-03-401A	LP-24-C19SX-03-401A	LP-24-C24SX-03-401A	—	—	—	—	—								
		Female	LP-24-J02SX-03-435	LP-24-J03SX-03-435	LP-24-J03SX-03-450	LP-24-J04SX-03-401	LP-24-J10SX-03-401A	LP-24-J12SX-03-401A	LP-24-J19SX-03-401A	LP-24-J24SX-03-401A	LP-24-J/RJ45/213/SX-43-408	LP-24-J/HDMI2/213/SX-43-401	LP-24-J/USB2/213/SX-43-101A	LP-24-J/USB3/213/SX-43-401A	LP-24-J/LC/213/SX-43-402 LP-24-J/LC/213/SX-43-401								

LP-24 Dimension Drawing (unit: mm)

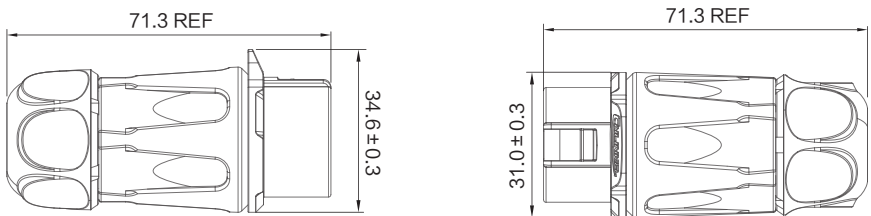
Plug



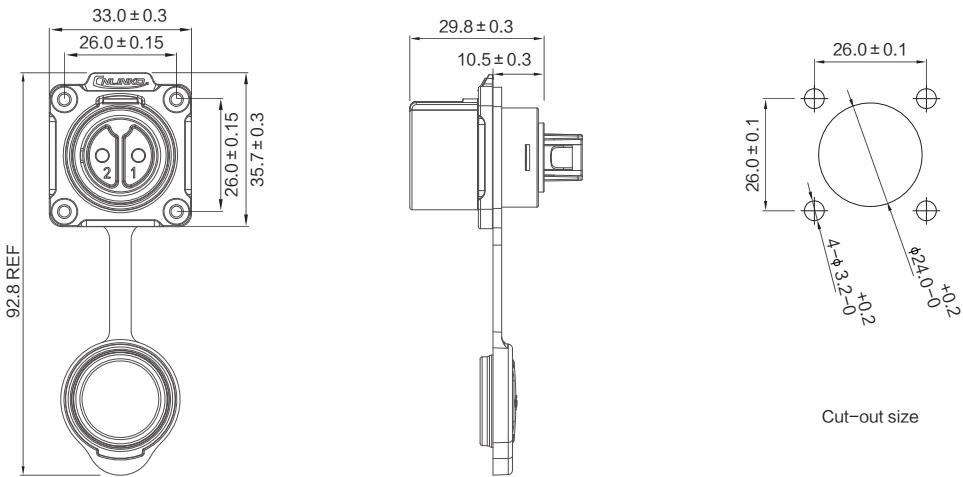
Single hole straight receptacle



In-line receptacle

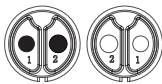
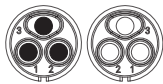
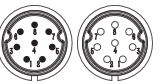


Four-hole flange receptacle



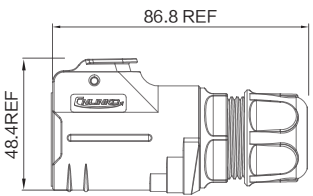
LP-28 Datasheet

LP-28

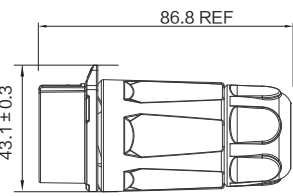
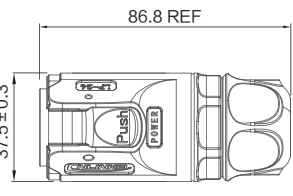
LP28 Power/Signal	Product Series		LP-28					
	Pin Number		2PIN		3PIN		8PIN	
	Application Type Section		 Male Female		 Male Female		 Male Female	
	Current Rating		50A		35A/50A		15A	
	Voltage Rating		AC 500V				AC 300V	
	Cable O.D Range		φ 17.0 ~ φ 20.5mm				φ 13~15mm	
	Wire Size		16mm ² /6AWG		10mm ² /8AWG 16mm ² /6AWG		4.0mm ² /12AWG	
	Protection Level		Standard is IP65, IP67&IP68 Option Available					
	Assembly Method		Screwing / Riveting				Soldering	
	Illustration	Material	Part No (Locking wire: LW Riveting: R)					
Plug	Plastic / Metal	Male	LP-28-C02PE-21-001(LW)		LP-28-C03PE-21-001(LW)		LP-28-C08PE-01-001	
			LP-28-C02PE-31-003(R)		LP-28-C03PE-31-003(R)			
		Female	LP-28-J02PE-21-001(LW)		LP-28-J03PE-21-001(R)		LP-28-J08PE-01-001	
			LP-28-J02PE-31-003(R)		LP-28-J03PE-31-003(R)			
In-line receptacle		Male	LP-28-C02PP-21-001(LW)		LP-28-C03PP-21-001(LW)		LP-28-C08PP-01-001	
			LP-28-C02PP-31-003(R)		LP-28-C03PP-31-003(R)			
		Female	LP-28-J02PP-21-001(LW)		LP-28-J03PP-21-001(LW)		LP-28-J08PP-01-001	
			LP-28-J02PP-31-003(R)		LP-28-J03PP-31-003(R)			
Single hole straight receptacle		Male	LP-28-C02SX-23-101(LW)		LP-28-C03SX-23-101(LW)		LP-28-C08SX-03-101	
			LP-28-C02SX-33-103(R)		LP-28-C03SX-33-103(R)			
		Female	LP-28-J02SX-23-101(LW)		LP-28-J03SX-23-101(LW)		LP-28-J08SX-03-101	
			LP-28-J02SX-33-103(R)		LP-28-J03SX-33-103(R)			
Four-hole flange receptacle		Male	LP-28-C02SX-23-401(LW)		LP-28-C03SX-23-401(LW)		LP-28-C08SX-03-401	
			LP-28-C02SX-33-403(R)		LP-28-C03SX-33-403(R)			
		Female	LP-28-J02SX-23-401(LW)		LP-28-J03SX-23-401(LW)		LP-28-J08SX-03-401	
			LP-28-J02SX-33-403(R)		LP-28-J03SX-33-403(R)			

LP-28 Dimension Drawing (unit: mm)

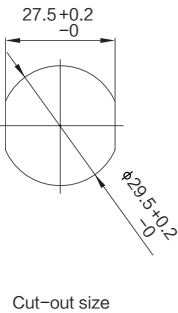
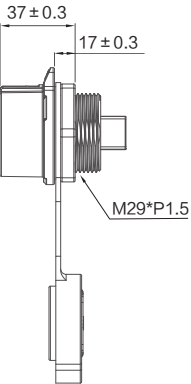
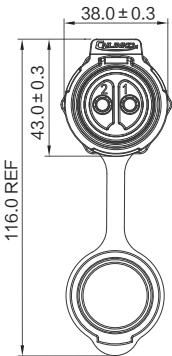
Plug



In-line receptacle



Single hole straight receptacle



Four-hole flange receptacle

