

CNLINKO Professional Electronic IP67 connectors waterproof

Features

M12 / M16 waterproof connectors

LP-12 and LP-16 type plastic and small size waterproof power connectors, which has been widely used in:

- 1: LED tri-proof lighting/outdoor lighting
- 2: LED display and screen
- 3: Testing measurement
- 4: Industrial control system

Product Description

Precision development
waterproof connection concentration

CNLINKO LP-16 waterproof connector
Multiple applications waterproof solution



M16 | IP67 | multiple applications | Stable & easy operation

CNLINKO LP-12 IP67 connector waterproof

LP-12 • Datasheet

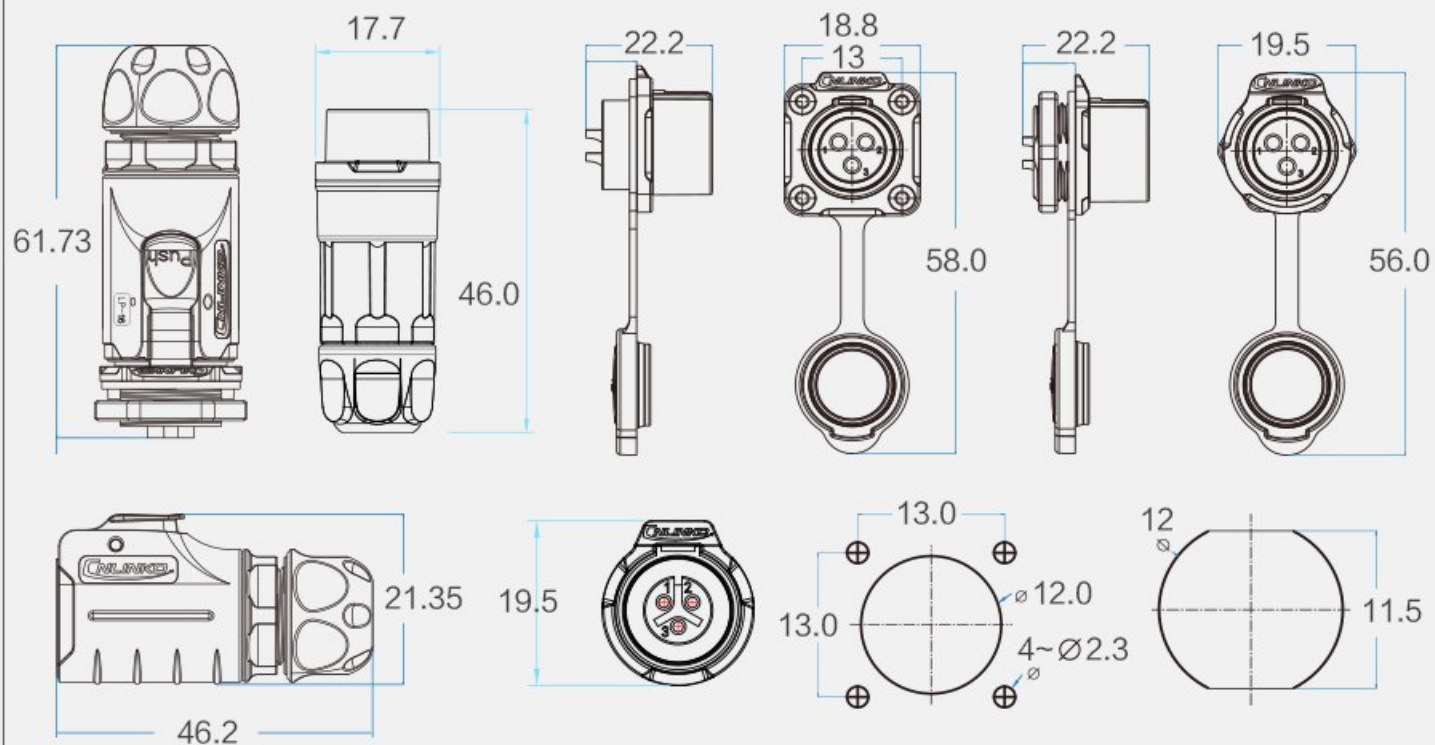
The number of pins	2PIN	3PIN	4PIN	5PIN	6PIN	7PIN	8PIN
The PIN Map							
Rated current	5A					3A	
Operating voltage	125V					100V	
Withstanding Voltage	1500V					1000V	
Contact resistance	<5.0mΩ					<10.0mΩ	
Temperature rise	5A 30℃ ↓ ; 7A 40℃ ↓ ; 10A 50℃ ↓						
Contact diameter x number	Φ1.0*2	Φ1.0*3	Φ1.0*4	Φ1.0*5	Φ1.0*6	Φ0.8*7	Φ0.8*8
Insertion force	0.6N Max.	0.9N Max.	1.2N Max.	1.5N Max.	1.8N Max.	2.1N Max.	2.4N Max.
Durability	1700times						
Screw torque	42-53(N.m) torque wrench 200(N.m)						
Working temperature	-40℃ ~ +80℃						
Vibration	Frequency:5~200Hz,amplitude:5mm,speed:10m/s,0.10uswithout instantaneous break						
Impact resistance	294m/s2						
Salt fog	PH6.5-7.2,NaCl,5% 48H						
Diameter range	Applicable scope of OD (1 - Φ Φ 6) mm with waterproof circle (Φ 6 mm, 3 mm Φ)						
Protection level	IP67						
Certification standards	Comply with the TUV and UL certification standards						

MATERIALS

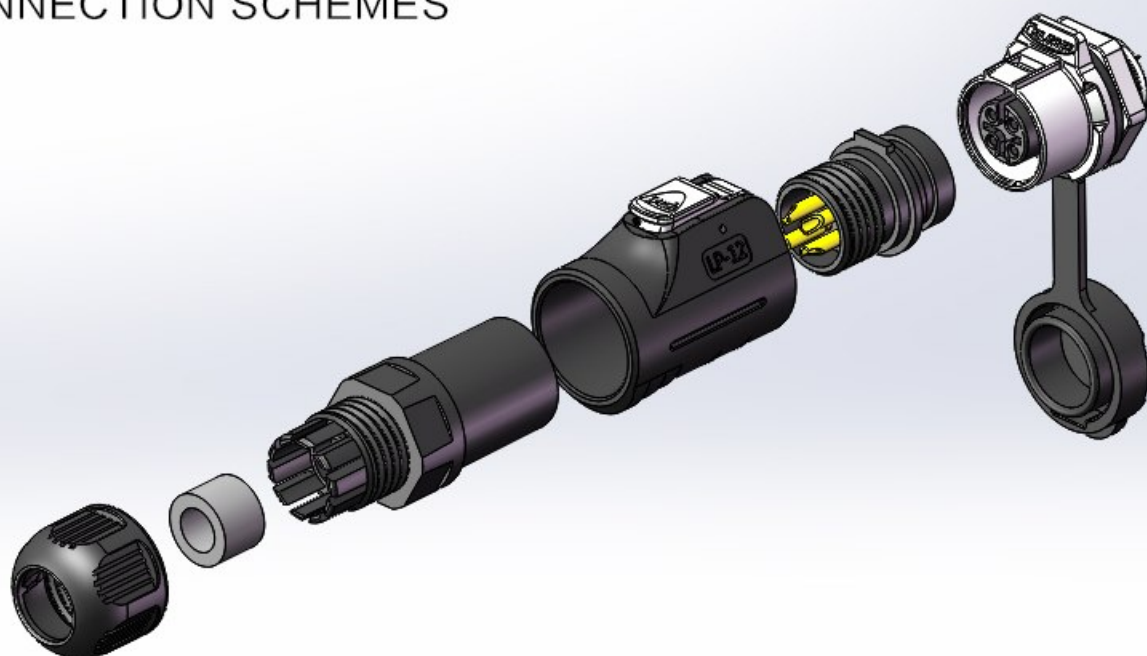
Housing&insulation parts	High-performance engineering plastics
Hardware	Zinc alloy (pearl hard chrome)
cooper pins	Copper alloy (gold-plated 4U)
waterproof cover	Silica gel
Flammability rating	UL94-V0

CNLINKO LP-12 IP67 connector waterproof

DIMENSION FIGURE



CONNECTION SCHEMES



CNLINKO LP-16 IP67 connector waterproof

LP-16 • Datasheet

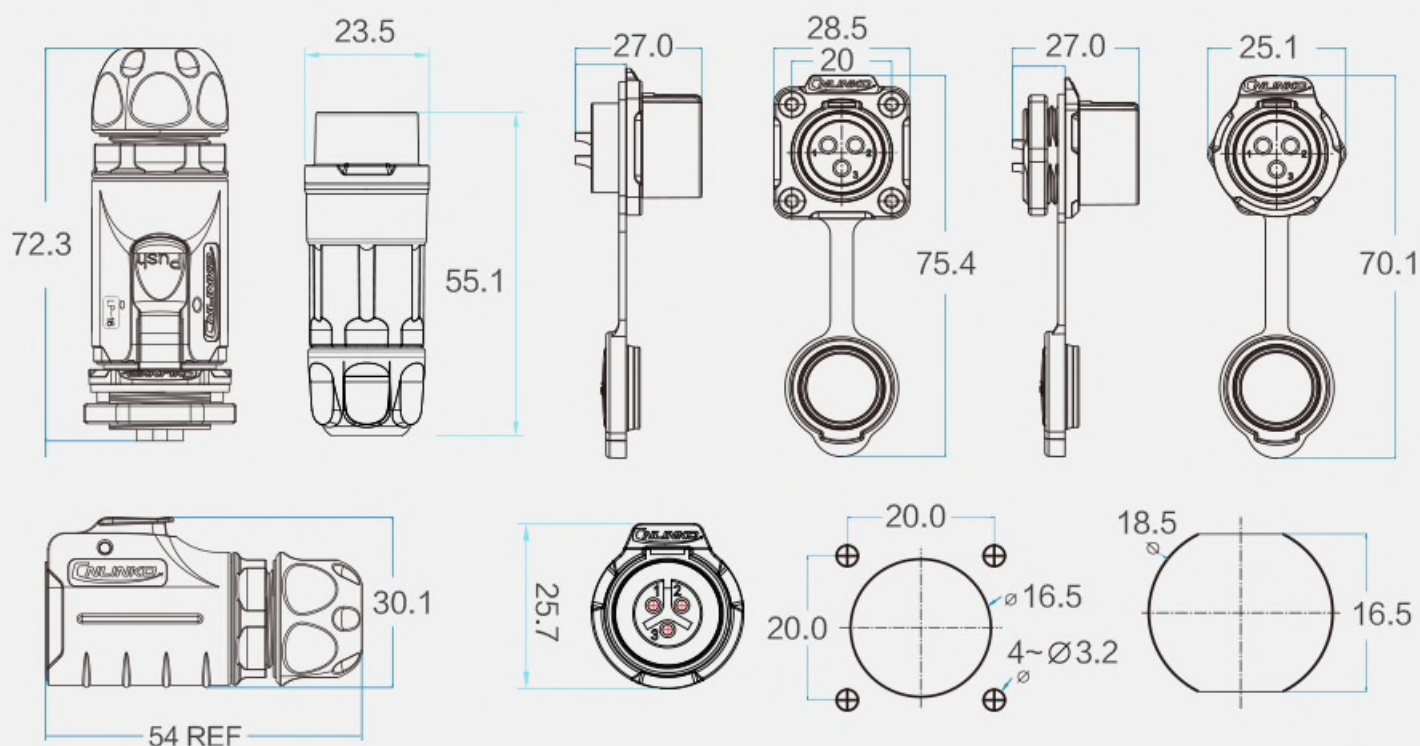
The number of pins	2PIN	3PIN	4PIN	5PIN	7PIN	8PIN	9PIN
The PIN Map							
Rated current	10A			5A			
Operating voltage	400V			250V			
Withstanding Voltage	2500V			1500V			
Contact resistance	<2.5mΩ			<5.0mΩ			
Temperature rise	10A 30℃ ↓ ; 12A 40℃ ↓ ; 15A 50℃ ↓						
Contact diameter x number	Φ1.5*2	Φ1.5*3	Φ1.5*4	Φ1.0*5	Φ1.0*7	Φ1.0*8	Φ1.0*9
Insertion force	1.2N Max.	1.8N Max.	2.4N Max.	1.5N Max.	1.8N Max.	2.4N Max.	2.7N Max.
Durability	1700 times						
Screw torque	42-53(N.m) torque wrench 200(N.m)						
Working temperature	-40℃ ~ +80℃						
Vibration	Frequency:5~200Hz,amplitude:5mm,speed:10m/s,0.10uswithout instantaneous break						
Impact resistance	294m/s2						
Salt fog	PH6.5-7.2,NaCl,5% 48H						
Diameter range	Applicable scope of OD (Φ1-Φ8.5) mm with waterproof circle (Φ9mm 、 Φ7mm)						
Protection level	IP67						
Certification standards	Comply with the TUV and UL certification standards						

MATERIALS

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

CNLINKO LP-16 IP67 connector waterproof

DIMENSION FIGURE



CONNECTION SCHEMES



CNLINKO Professional Electronic IP67 connectors waterproof

Product Example

