

# Industrial connector LP-16, male to female (square socket)

Reference: AM8116  
EAN13: -  
HS code: 85369010



## Product attributes:

Number of pins: 2-pin, 3-pin, 4-pin, 5-pin, 7-pin, 8-pin, 9-pin

## Product features:

Waterproof grade: IP67

## Product description:

Highest quality industrial connector set with gold-plated contacts. Increased vibration resistance.

Protection rating: IP67

Maximum voltage: 500V (2/3/4-pin), 250V (5/7/8/9-pin)

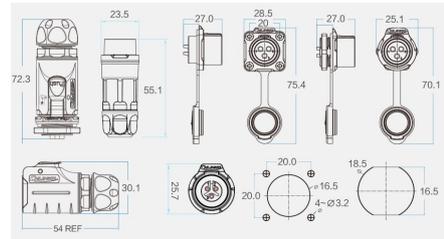
Maximum temporary voltage: 2500V (2/3/4-pin), 1500V (5/7/8/9-pin)

Maximum current: 10A (2/3/4-pin), 5A (5/7/8/9-pin)

For conductor diameters: 3-7 mm

Insulation resistance:





## 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°C ; 12A 40°C ; 15A 50°C ;						
Contact diameter x number	Φ1.512	Φ1.513	Φ1.514	Φ1.015	Φ1.017	Φ1.018	Φ1.019
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°C ~ +80°C						
Vibration	Frequency 5-200Hz, amplitude 5mm, speed: 10m/s, 0.10s without instantaneous break						
Impact resistance	294m/s <sup>2</sup>						
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