

Waterproof Threaded Coupling Circular Connector IP68

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**RoHS
Compliant**



Material and Specifications

Coupling	Threaded
Shell Material	PC, Nylon66, fire resistance: V-0
Insert Material	PPS, Max. Temperature 260°C
Contact Material	Brass with gold plating
Termination	Solder and Crimp
Cable outer diameter range	6mm to 10mm
IP Rating	IP68
Mating Cycle	500
Temperature Range	-40°C to +85°C
Insulation Resistance (MΩ)	2000MΩ

Contact Specifications

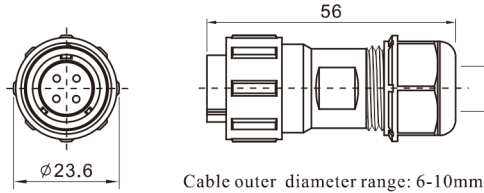
Number of Contact	2	3	4	2B	3B	4B	5	7	9	10
Male Contact Face View										
Rated Current (A)	10	10	5	15	15	15	5	5	5	5
Contact Diameter (mm)	Ø1.5 × 2	Ø1.5 × 3	Ø1 × 4	Ø2 × 2	Ø2 × 3	Ø2 × 4	Ø1 × 5	Ø1 × 7	Ø1 × 9	Ø1 × 10
Rated Voltage (AC. V)	500	500	500	500	500	500	500	400	400	400
Test Voltage (AC. V) 1 min.	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
Contact Resistance (mΩ)	2.5	2.5	5	2.5	2.5	2.5	5	5	5	5
Wire Size for solder (mm ² /AWG)	≤2/14	≤2.14	≤0.75/18	≤2/14	≤2/14	≤2.14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

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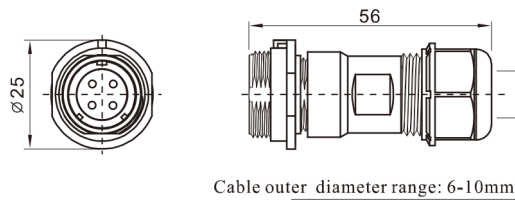
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Diagram

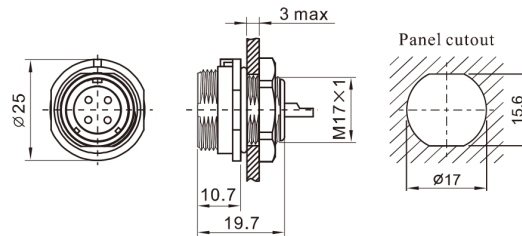
Cable Mount Connector



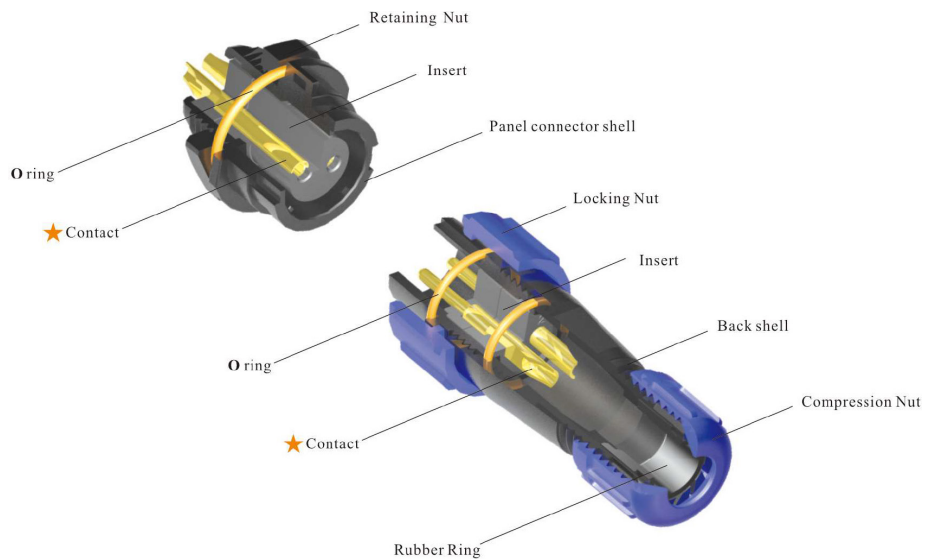
In-line Cable Mount Connector



Rear Panel Mount Connector



Dust Cap



*Each Side can be male or female contact

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Specification Table

Cable Mount Connector				In-line Cable Mount Connector			Rear Panel Mount Connector		
Cable Mount Plug				Cable Mount Receptacle			Panel Mount Receptacle		
MPN	Termination	Contact Gender	No. of Contacts	MPN	Termination	Contact Gender	MPN	Termination	Contact Gender
MP007538	Solder	Pin	2	MP007548	Solder	Socket	MP007568	Solder	Socket
MP007539	Solder	Pin	3	MP007549	Solder	Socket	MP007569	Solder	Socket
MP007540	Solder	Pin	4	MP007550	Solder	Socket	MP007570	Solder	Socket
MP007541	Solder	Pin	5	MP007551	Solder	Socket	MP007571	Solder	Socket
MP007542	Solder	Pin	2	MP007552	Solder	Socket	MP007572	Solder	Socket
MP007543	Solder	Pin	3	MP007553	Solder	Socket	MP007573	Solder	Socket
MP007544	Solder	Pin	4	MP007554	Solder	Socket	MP007574	Solder	Socket
MP007545	Solder	Pin	7	MP007555	Solder	Socket	MP007575	Solder	Socket
MP007546	Solder	Pin	9	MP007556	Solder	Socket	MP007576	Solder	Socket
MP007547	Solder	Pin	10	MP007557	Solder	Socket	MP007577	Solder	Socket
MP007588	Crimp	Pin	2	MP007591	Crimp	Socket	MP007597	Crimp	Socket
MP007589	Crimp	Pin	3	MP007592	Crimp	Socket	MP007598	Crimp	Socket
MP007590	Crimp	Pin	4	MP007593	Crimp	Socket	MP007599	Crimp	Socket

Note: These connectors are not included dust caps

Circular Connector with Dust Cap

In-line Cable Mount Connector				Rear Panel Mount Connector		
Cable Mount Receptacle				Panel Mount Receptacle		
MPN	Termination	Contact Gender	No. of Contacts	MPN	Termination	Contact Gender
MP007558	Solder	Socket	2	MP007578	Solder	Socket
MP007559	Solder	Socket	3	MP007579	Solder	Socket
MP007560	Solder	Socket	4	MP007580	Solder	Socket
MP007561	Solder	Socket	5	MP007581	Solder	Socket
MP007562	Solder	Socket	2	MP007582	Solder	Socket
MP007563	Solder	Socket	3	MP007583	Solder	Socket
MP007564	Solder	Socket	4	MP007584	Solder	Socket
MP007565	Solder	Socket	7	MP007585	Solder	Socket
MP007566	Solder	Socket	9	MP007586	Solder	Socket
MP007567	Solder	Socket	10	MP007587	Solder	Socket
MP007594	Crimp	Socket	2	MP007600	Crimp	Socket
MP007595	Crimp	Socket	3	MP007601	Crimp	Socket
MP007596	Crimp	Socket	4	MP007602	Crimp	Socket

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Connector Contacts

MPN	Description
MP007603	Male Stamped Crimp Contact, 5A, 24-20AWG
MP007604	Female Stamped Crimp Contact, 5A, 24-20AWG
MP007605	Male Machined Crimp Contact, 10A, 26-22AWG
MP007606	Male Machined Crimp Contact, 10A, 20AWG
MP007607	Male Machined Crimp Contact, 10A, 18AWG
MP007608	Male Machined Crimp Contact, 10A, 16AWG
MP007609	Female Machined Crimp Contact, 10A, 26-22AWG
MP007610	Female Machined Crimp Contact, 10A, 20AWG
MP007611	Female Machined Crimp Contact, 10A, 18AWG
MP007612	Female Machined Crimp Contact, 10A, 16AWG

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