Waterproof Bayonet Coupling Circular Connector IP67

RoHS Compliant

Material and Specifications

Coupling	Bayonet
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	IP67
Mating Cycle	500
Temperature Range	-40°C to +85°C
Insulation Resistance (MΩ)	2000MΩ

Contact Specifications (*"B" – "B Format" version offers higher current ratings*)

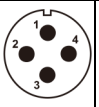
Number of Contacts	**2**	**3**	**4**	**2B**	**3B**	**4B**	**5**	**7**	**9**	**10**
Male Contact Face View										
Rated Current (A)	10	10	5	15	15	15	5	5	5	5
Contact Diameter (mm)	Ø1.5 × 2	Ø1.5 × 3	Ø1 × 4	Ø2 × 2	Ø2 × 3	Ø2 × 4	Ø1 × 5	Ø1 × 7	Ø1 × 9	Ø1 × 10
Rated Voltage (AC. V)	500	500	500	500	500	500	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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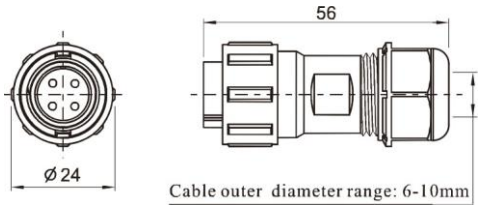
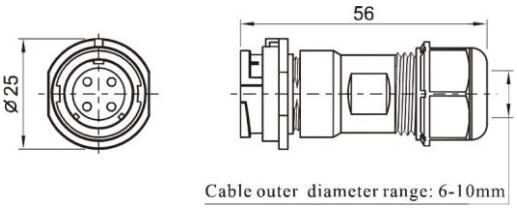
Diagram

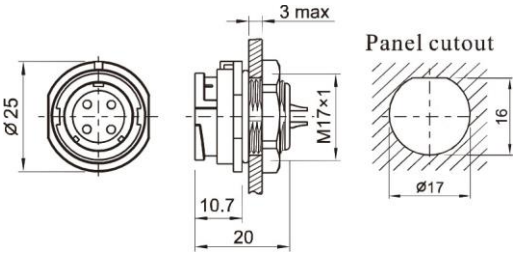
Cable Mount Connector



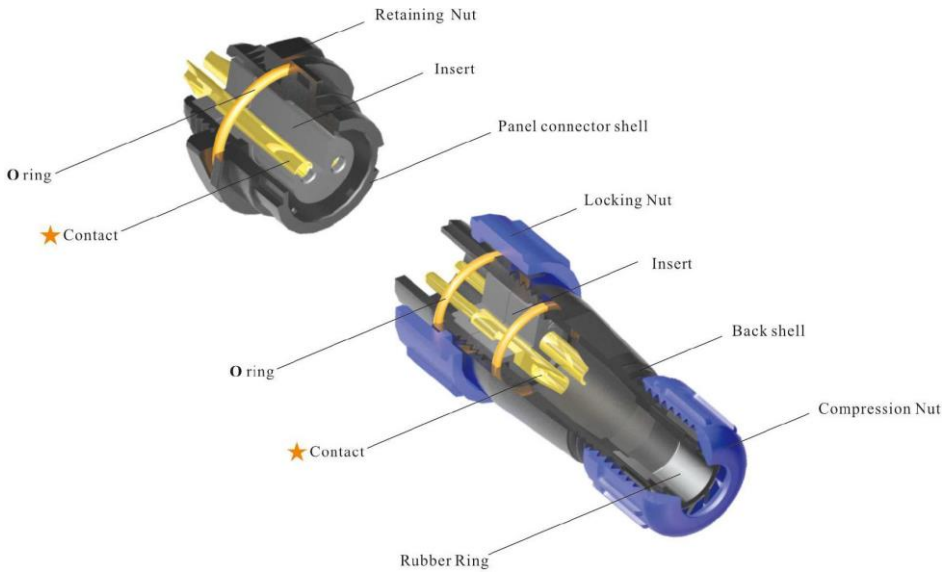
In-line Cable Mount Connector



Rear Panel Mount Connector



Dust Cap



*Each Side can be male or female contact

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. Contacts	MPN	Termination	Contact Gender	MPN	Termination	Contact Gender
MP007613	Solder	Pin	2	MP007623	Solder	Socket	MP007643	Solder	Socket
MP007614	Solder	Pin	3	MP007624	Solder	Socket	MP007644	Solder	Socket
MP007615	Solder	Pin	4	MP007625	Solder	Socket	MP007645	Solder	Socket
MP007616	Solder	Pin	5	MP007626	Solder	Socket	MP007646	Solder	Socket
MP007617	Solder (B Format)	Pin	2	MP007627	Solder	Socket	MP007647	Solder	Socket
MP007618	Solder (B Format)	Pin	3	MP007628	Solder	Socket	MP007648	Solder	Socket
MP007619	Solder (B Format)	Pin	4	MP007629	Solder	Socket	MP007649	Solder	Socket
MP007620	Solder	Pin	7	MP007630	Solder	Socket	MP007650	Solder	Socket
MP007621	Solder	Pin	9	MP007631	Solder	Socket	MP007651	Solder	Socket
MP007622	Solder	Pin	10	MP007632	Solder	Socket	MP007652	Solder	Socket
MP007663	Crimp	Pin	2	MP007666	Crimp	Socket	MP007672	Crimp	Socket
MP007664	Crimp	Pin	3	MP007667	Crimp	Socket	MP007673	Crimp	Socket
MP007665	Crimp	Pin	4	MP007668	Crimp	Socket	MP007674	Crimp	Socket

Note: These connectors do not include 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
MP007633	Solder	Socket	2	MP007653	Solder	Socket
MP007634	Solder	Socket	3	MP007654	Solder	Socket
MP007635	Solder	Socket	4	MP007655	Solder	Socket
MP007636	Solder	Socket	5	MP007656	Solder	Socket
MP007637	Solder (B Format)	Socket	2	MP007657	Solder (B Format)	Socket
MP007638	Solder (B Format)	Socket	3	MP007658	Solder (B Format)	Socket
MP007639	Solder (B Format)	Socket	4	MP007659	Solder (B Format)	Socket
MP007640	Solder	Socket	7	MP007660	Solder	Socket
MP007641	Solder	Socket	9	MP007661	Solder	Socket
MP007642	Solder	Socket	10	MP007662	Solder	Socket
MP007669	Crimp	Socket	2	MP007675	Crimp	Socket
MP007670	Crimp	Socket	3	MP007676	Crimp	Socket
MP007671	Crimp	Socket	4	MP007677	Crimp	Socket

Connector Contacts

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

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