

Circular Connectors and Sets IP68

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**RoHS
Compliant**



Material and Specifications

Coupling	Threaded
Shell Material	PC: Panel Connector Shell, Insert Housing Shell Nylon66: Locking Nut, Back Shell, Compressing Nut, Retaining Nut Fire Resistance: V-0
Insert Material	PPS, Max. Temperature 260°C
Contact Material	Brass with gold plating
Termination	Solder and Screw
IP Rating	IP68
Mating Cycle	500
Temperature Range	-40°C to +85°C
Insulation Resistance (MΩ)	2000

Contact Specifications

Number of Contact	2	3	4	5	7	9	12
Male Contact Face View							
Rated Current (A) for solder	30	30	30	30	15	5	5
Rated Current (A) for screw	10	10	10	10	N/A	N/A	N/A
Contact Diameter (mm)	3	3	3	3	2	1	1
Rated Voltage (AC. V)	500	500	500	500	500	500	400
Test Voltage (AC. V) 1 min.	1500	1500	1500	1500	1500	1500	1200
Contact Resistance (mΩ)	1	1	1	1	2.5	5	5
Termination	Solder Screw	Solder Screw	Solder Screw	Solder Screw	Solder	Solder	So8lder
Wire Size for solder (mm ² /AWG)	%4/11	%4/11	%4/11	%4/11	%2/14	%0.75/18	%0.75/18
Wire Size for screw termination (mm ² /AWG)	%1.5/15	%1.5/15	%1.5/15	%1.5/15	-	-	-

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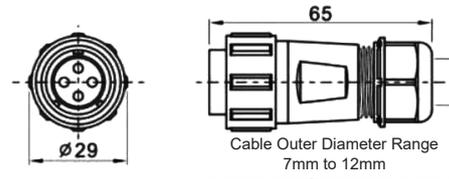
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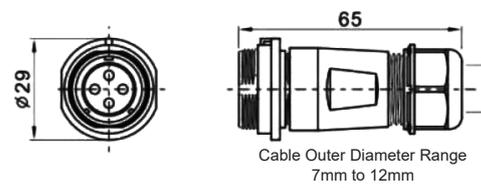
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Diagram

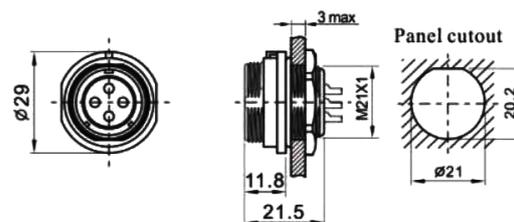
Cable Mount Connector



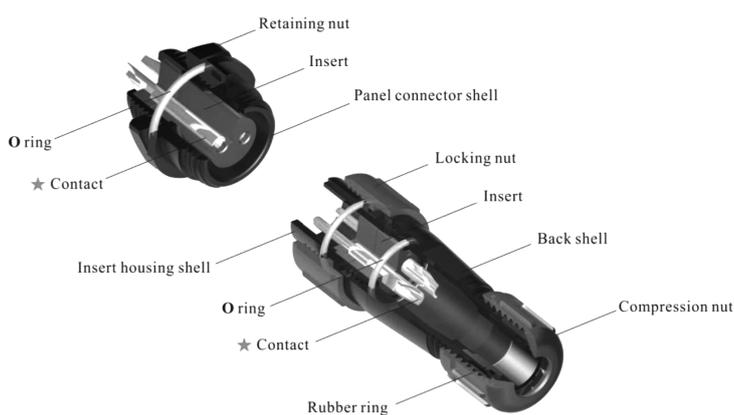
In-line Cable Mount Connector



Rear Panel Mount Connector



Dimensions : Millimetres



*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		
Part Number	Termination	Contact Gender	No. of Contacts	Part Number	Termination and	Contact Gender	Part Number	Termination	Contact Gender
MP002546	Solder	Pin	2	MP002579	Solder	Socket	MP002608	Solder	Socket
MP002547	Screw	Pin	2	MP002580	Screw	Socket	MP002609	Screw	Socket
MP002548	Solder	Pin	3	MP002581	Solder	Socket	MP002610	Solder	Socket
MP002549	Screw	Pin	3	MP002582	Screw	Socket	MP002611	Screw	Socket
MP002550	Solder	Pin	4	MP002583	Solder	Socket	MP002612	Solder	Socket
MP002551	Screw	Pin	4	MP002584	Screw	Socket	MP002613	Screw	Socket
MP002552	Solder	Pin	5	MP002585	Solder	Socket	MP002614	Solder	Socket
MP002553	Screw	Pin	5	MP002586	Screw	Socket	MP002615	Screw	Socket
MP002554	Solder	Pin	7	MP002587	Solder	Socket	MP002616	Solder	Socket
MP002555	Solder	Pin	9	MP002588	Solder	Socket	MP002617	Solder	Socket
MP002556	Solder	Pin	12	MP002589	Solder	Socket	MP002618	Solder	Socket
MP002557	Solder	Socket	2	MP002568	Solder	Pin	MP002597	Solder	Pin
MP002558	Screw	Socket	2	MP002569	Screw	Pin	MP002598	Screw	Pin
MP002559	Solder	Socket	3	MP002570	Solder	Pin	MP002599	Solder	Pin
MP002560	Screw	Socket	3	MP002571	Screw	Pin	MP002600	Screw	Pin
MP002561	Solder	Socket	4	MP002572	Solder	Pin	MP002601	Solder	Pin
MP002562	Screw	Socket	4	MP002573	Screw	Pin	MP002602	Screw	Pin
MP002563	Solder	Socket	5	MP002574	Solder	Pin	MP002603	Solder	Pin
MP002564	Screw	Socket	5	MP002575	Screw	Pin	MP002604	Screw	Pin
MP002565	Solder	Socket	7	MP002576	Solder	Pin	MP002605	Solder	Pin
MP002566	Solder	Socket	9	MP002577	Solder	Pin	MP002606	Solder	Pin
MP002567	Solder	Socket	12	MP002578	Solder	Pin	MP002607	Solder	Pin

Note: These connectors does not accommodate caps. Ordered separately.

Dust Cap

Description	Part Number
Dust Cap for Receptacle Connectors	MP002620
Dust Cap for Plug Connectors	MP002619

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Connector Sets (Plug and Receptacle)

Description	Part Number
Cable Mount Plug (MP002547) and Receptacle Connector (MP002580) Set, 2P, Screw Contact	MP002590
Cable Mount Plug (MP002549) and Receptacle Connector (MP002582) Set, 3P, Screw Contact	MP002591
Cable Mount Plug (MP002551) and Receptacle Connector (MP002584) Set, 4P, Screw Contact	MP002592
Cable Mount Plug (MP002553) and Receptacle Connector (MP002586) Set, 5P, Screw Contact	MP002593
Cable Mount Plug (MP002554) and Receptacle Connector (MP002587) Set, 7P, Solder Contact	MP002594
Cable Mount Plug (MP002555) and Receptacle Connector (MP002588) Set, 9P, Solder Contact	MP002595
Cable Mount Plug (MP002556) and Receptacle Connector (MP002589) Set, 12P, Solder Contact	MP002596

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