

Waterproof Circular Connector

Cost Efficient Waterproof Solution



GT Contact Co., Ltd.

About GT Contact Waterproof Products

GT Contact's waterproof products are widely used in various kinds of customer application, which include marine equipment, networking device, outdoor LED display, lamp and lighting system, industrial PC, military NB, and medical equipment.

Related Products

Cable End (Molding)



Cable End (Molding 90°)



Cable End (Field Installable)



Cable to Cable (Molding)



Cable to Cable (Field Installable)



Waterproof Cap



GT152 series, C2 size
Panel Cut-out 16.0mm



GT153 series, C3 size
Panel Cut-out 20.7mm



GT151 series, C1 size
Panel Cut-out 10.9mm



GT154 series, C4 size
Panel Cut-out 25.5mm



GT155 series, C5 size
Panel Cut-out 29.4mm

Features

- Wide-range of Current Rating (2A ~ 30A)
- 5 shells size available
- Various mating method choice
- 50% weight savings over similar metal construction
- IP67 protection degree
- Some with UL2238 approvals

Applications

- Medical equipment
- Automation machine
- Marine device
- Industrial PC
- Outdoor LED display
- Outdoor LED lighting

General Specification

Current Rating	2A	5A	10A	20A	30A
Recommend AWG	22~26	20~24	16~20	12	12
Panel Mount Connector	-40°C ~ +105°C				
Cable End Connector	-40°C ~ +80°C				

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GT Contact's Related Waterproof Products

Hybrid Series



Sensor Series



I/O Series



Power Series



Materials

Plastic Parts	PA66
Contacts	Copper Alloy, Au Plating
Gasket & O-ring	Silicone
Glue	Epoxy

Electrical Characteristics

Insulation Resistance	DC500V±10%
Dielectric Withstanding Voltage	1500 V AC contact-to-contact, for 1 minute.
Contact Resistance	10mΩ at 10mA Max.

Mechanical Characteristics

Pin Pull Test	1. Initial: 24 N minimum. 2. After Test: 16 N minimum.
Durability	4000 insertion/extraction cycles at a max. rate of 200cycles per hour.
Cable Pull-Out	After the application of a steady state axial load of 40 N for one minute.
Physical Shock	EIA 364 27 Test Condition H (11ms 30G)
Random Vibration	EIA 364-28 (Frequency : 50 to 2000 Hz)
Thermal Shock	5 cycles at -40°C / +105°C
Humidity Life	96 hours minimum (seven step cycles).
Salt Spray	EIA 364-26, 48 hours
Temperature Life	85°C for 48Hours Method A , Mated
Cycling Humidity	4 cycles at 25°C / +85°C 95%RH (1 cycles/day)
Ingress Protection Rate	IP67, Submersion in water 1 meter for 30 minutes.

※ All materials are RoHS compliant.