

Waterproof Hybrid Connector

Optimization Integrated 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 (Bayonet Lock)



Cable End (Twist Lock)



Cable End (Field Installable)



Cable to Cable (Molding)



Cable to Cable (Field Installable)



Waterproof Cap



GT152 series, C2 size
Panel Cut-out 16.0mm

GT1D4 series, C4 size
Panel Cut-out 25.5mm

GT1D3 series, C3 size
Panel Cut-out 20.7mm

GT1D5 series, C5 size
Panel Cut-out 29.4mm

Features

- Power and signal in one unit
- Simplify overall design
- Quick connect and disconnect
- Field installable type available
- IP67 protection degree
- Some with EN61984 approvals

Applications

- Medical equipment
- Solar equipment
- Outdoor LED display
- Outdoor LED lighting
- Wireless outdoor AP
- Industrial PC

General Specification

| Connector Size | C2 | | C3 | | C4 | C5 |
|-----------------------|----------------|--------|--------|--------|--------|--------|
| Current Rating | 5A+2A | 10A+5A | 10A+2A | 15A+2A | 20A+5A | 20A+5A |
| Contact Number | 2+6 | 2+4 | 3+2 | 2+2 | 2+8 | 3+9 |
| Panel Mount Connector | -40°C ~ +105°C | | | | | |
| Cable End Connector | -40°C ~ +80°C | | | | | |

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GT Contact's Related Waterproof Products

Circular 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.