

Waterproof Power Connector

Best High-Power Solution Choice



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

41A Cable End (Male)



41A Cable End (Female)



13A Cable End (Male)



13A Cable End (Female)



10A Cable End (Male)



10A Cable End (Female)



GT272 series
13A/3P/Panel/Female

GT1E1400-42030
41A/3P/Panel/Male

GT272 series
10A/5P/Panel/Female

GT272 series
13A/3P/Panel/Male

GT1E1401-42030
41A/3P/Panel/Female

GT272 series
10A/5P/Panel/Male

Features

- Max. 41A current rated
- Easy Field Installation design
- Plastic, metal or stainless steel construction
- IP67(GT1E1 series)/IP68(GT272 series) protection degree
- UL2238 approvals

Applications

- PV inverter
- Electric vehicle
- Interactive Smart Grid
- Automation machine
- Outdoor LED display
- Outdoor LED lighting

General Specification

Product Series	GT1E1 series		GT272 series		
	Current Rating	41A	13A	10A	8A
Contact number	3 pin	3 pin	4 pin	5 pin	
Recommend AWG	8 AWG	16 AWG			
Voltage	600 V AC/DC				
Temperature Range	-40°C ~ +105°C				

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GT Contact's Related Waterproof Products

Circular Series



Hybrid Series



Sensor Series



I/O Series



Materials

Product Series	GT1E1 series	GT272 series
Thermal Plastic	PA66	PVC
Contacts	Copper Alloy with Ni Plating	Copper Alloy With Au Plated
Metal parts	-	Zinc Alloy With Ni Plated
Gasket & O-ring	Panel: Silicone Cable End: NBR	Panel: Viton Cable End: Silicone

Electrical Characteristics

Insulation Resistance	DC 500V±10%	DC 1,000V±10%
Dielectric Withstanding Voltage	2,500 V AC	1,500 V AC
Contact Resistance	10mΩ at 10mA Max.	50mΩ

Mechanical Characteristics

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	1. GT1E1 series: IP67, Submersion in water 1 meter for 30 minutes. 2. GT272 series: IP68, Submersion in water 1 meter for 24 hours.

※ All materials are RoHS compliant.