

Waterproof SNAP-IN // Magnet Connector



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)



Micro Tee adapter



Termination Resistor



Waterproof Cap



SNAP-IN Connector

MAGNET Connector

Features

- Snap-In // Magnet
- Small Size
- Quick Mating//Unmating
- IP67 protection degree//Non-Waterproof

Application

- Electric bike.
- Medical equipment.
- GPS, Positioning equipment
- Industrial PC, Military Equipment

General Specification

Connector Type	SNAP-IN		Magnet
	Current Rating	5A	2A
2~3P Contacts		2~6 Contacts	2 Contacts
Panel Mount Connector	-40°C / +105°C		-20°C / +50°C

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GT Contact's Related Waterproof Products

Circular Series



Hybrid Series



I/O Series



Power Series



Materials

Connector Type		SNAP-IN	MAGNET
Plastic Parts		PA66	PA66
Metal Parts			Copper Alloy, Ni Plating
Contact		Copper Alloy, Au Plating	Copper Alloy, Au Plating
O Ring	Gasket	Silicon	Silicon
Glue		Epoxy	Epoxy
Over Mold		TPU	PVC

Electrical Characteristics

Insulation Resistance	DC500V±10%		DC500V±10%
Dielectric Withstanding Voltage	2~3P 5A	2~6P 2A	500V DC/AC
	1000V AC	500V DC/AC	
Contact Resistance	10mΩ at 100mA Max		20mΩ

Mechanical Characteristics

Durability (cycles)	2,000	5,0000
Physical Shock	EIA 364-27 Test Condition H or IEC 60512-6c	
Random Vibration	EIA 364-28 Test or IEC 60512-6d	
Thermal Shock	5 Cycles at -40°C / +105°C	5 Cycles at -20°C / +50°C
Salt Spray	EIA 364-26 or IEC 60512-11f	EIA 364-26, 96 hours
Temperature Life	80°C for 96 Hours	55°C for 96 Hours Method A, Mated
Ingress Protection Rate	IP67, Submersion in water 1 meter for 30 min.	