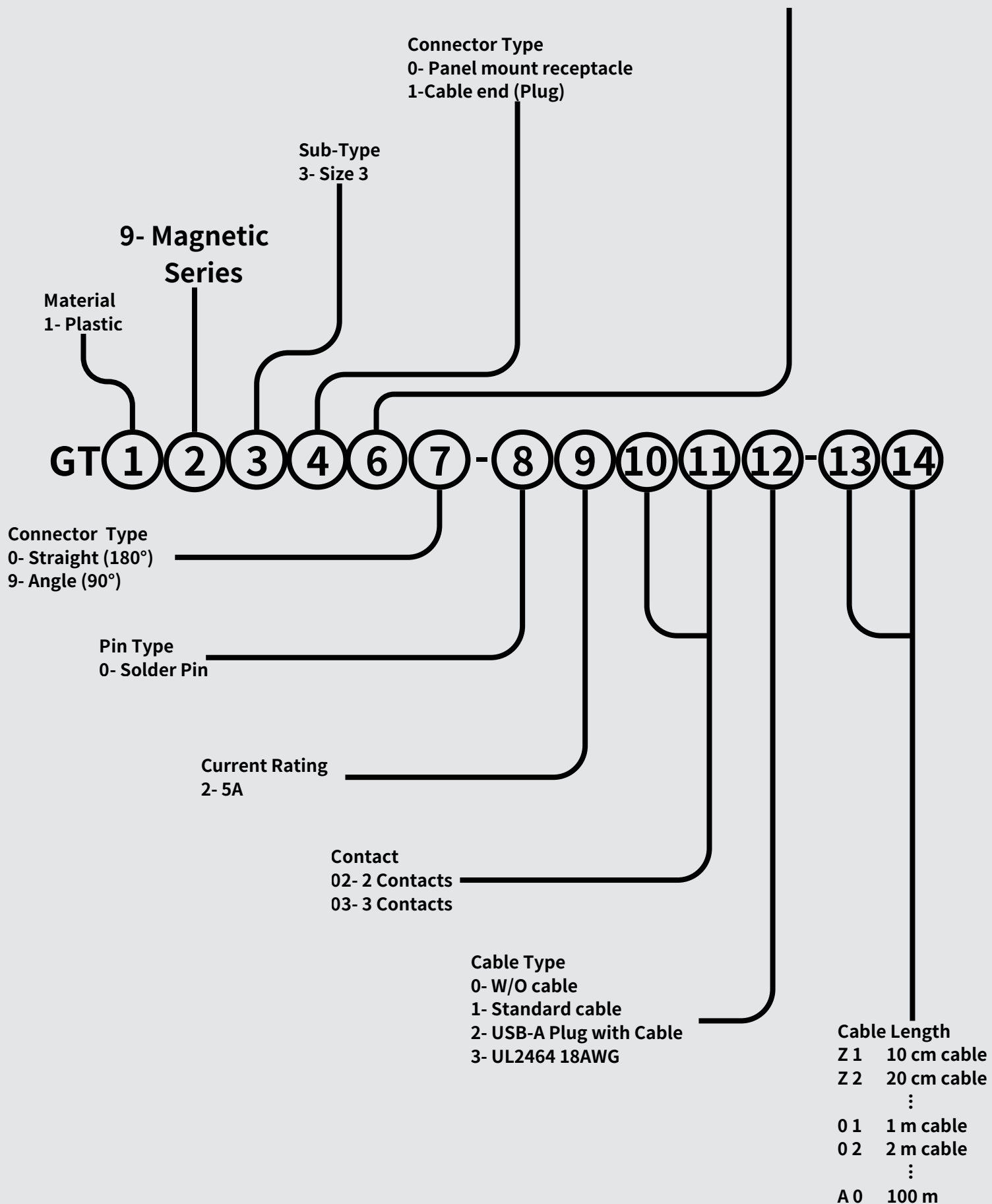


MAGNETIC SERIES



Magnetic

Part Numbering System

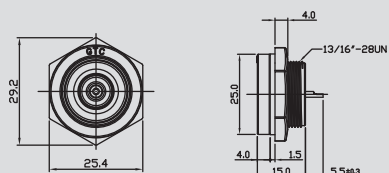


Specifications

Magnetic Engineering Specifications			
Specifications			
Operation Temperature	-20°C / +50°C		
Number of Ways	AWG	Voltage	Amps
2	18AWG	30V	5A
3	22AWG	30V	2A
Product Technical Data			
Characteristics	Standard	Description	
Visual and Dimensional Inspection	EIA 364-18	Must meet or exceed the requirements specified by the most current version of the Magnetic 5A Connector Specification.	
Insulation Resistance	EIA 364-21 or IEC 60512-3a	DC500V±10% , test for 1 minute and the insulation resistance should be more than100MΩ	
Dielectric Withstanding Voltage	EIA 364-20 or IEC 60512-4a	1000 V DC/AC peak, contact-to-contact, for 1min.	
Contact Resistance	EIA 364-06 Method B or IEC 60512-2b	10mΩ at 100mA Max.	
Durability	EIA 364-09 or IEC 60512-9a	Magnetic 5A Connector type 50000 cycles ,rate of 250 cycles per hour.	
Cable Pull-Out	EIA 364-38 Test Condition A or IEC 60512-13a	After the application of a steady state axial load of 222 N for one hour.	
Cable Flexing	EIA 364-41	A traverse 90° in one direction plus 90° in the opposite direction shall be called one cycle , the cycling rate shall be 12 to 14 cycles per minute. After completion of 100 cycles , test withstanding voltage and insulation resistance.	
Thermal Shock	EIA 364-32 Test Condition VIII or IEC 60512-11d	5 cycles at -40°C / +50°C , after the test, the function and appearance can't be impacted.	

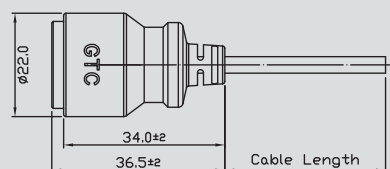
Product Technical Data		
Characteristics	Standard	Description
Salt Spray	EIA 364-26 or IEC 60512-11f	The test liquid (Nacl) thickness is 5%, Compressing the air pressure is 0.083Mpa, Spraying amount is 0.5~3.0ml/ 80cm2 / hours , Temperature of the pressure barrel is 43°C , LAB temperature is 35°C , relative humidity of LAB is 95%~98% , test time is 96hr , after the test, check if there is rusty and oxidized phenomenon.
Temperature Life W/O Electrical Load	EIA364-17 Condition 3 or IEC 60512-9b	55°C for 96 hours.
Low Temperature	EIA364-59 Condition 3 or IEC 60512-11k	-20°C for 96 hours
Temperature Humidity Cycling	EIA 364-31, Method III Test Condition A	4 cycles at 25°C / +50°C 95%RH (1 cycles/day)

Magnetic Rotating 360° Panel Solder



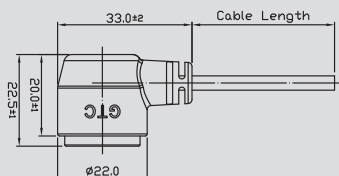
P/N	Rated current (A)	Contacts
GT193000-02020	5	2
GT193000-02021-XX	5	2
GT193000-01030	2	3

Magnetic Rotating 360° Cable End with Cable



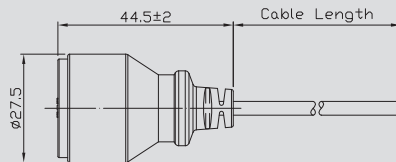
P/N	Rated current (A)	Contacts
GT193110-02021-XX	5	2
GT193110-02022-XX	5	2
GT193110-01031-XX	2	3

Magnetic Rotating 360° Cable End 90° with Cable



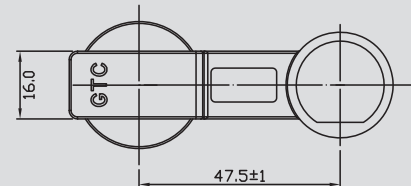
P/N	Rated current (A)	Contacts
GT193119-02021-XX	5	2
GT193119-02022-XX	5	2

Magnetic Rotating 360° Cable to Cable with Cable



P/N	Rated current (A)	Contacts
GT193300-02021-XX	5	2
GT193200-01031-XX	2	3

Cap Rubber for 5A 2 Contacts Panel Solder



P/N	Mating Series No.
GT1C930002	GT193000 Series



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