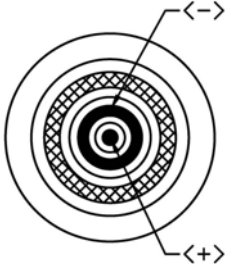
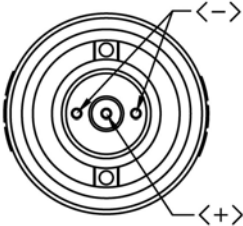
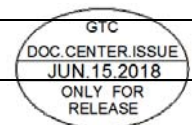


Part Number		Magnetic 5A 2 Contacts rotating 360 degrees Connector Panel & Cable End Engineering Specifications				
Specifications		(REV.)	(DATE)	(PREPARED)	(APPROVED)	
Current Rating	5.0A	01	2017/12/20	Hank	Lucas	
AWG Gauge	18 AWG					
Operation temperature	-20°C / +50°C					
IP Rating	-					
Number Of Ways	Receptacle (Jack) Panel Face View	Cable Plug Face View	AWG Gauge	Voltage	Amps	
2			18AWG	30V	5A	

Material	
Housing Panel	PA66
Housing Cable End	PA66
Contacts Panel/Cable End	Copper Alloy · Au Plated
Panel Hex Nut	PA66
Panel Gasket	Silicone
Metal Ring Panel	SUS
Steel Sheet Cable End	SUS
Magnet Cable End	Nd-Fe-B
Glue	Epoxy
Inner Mold	PE
Over Mold	PVC



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	1000V AC contact-to-contact, for 1min.
Contact Resistance	EIA 364-23 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 1 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.
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 1 or IEC 60512-9b	55°C for 96 Hours .
Low Temperature	EIA364-59 Condition 4 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, Test time condition A 96Hours.

