

APPLICABLE STANDARD					
RATING	Operating Temperature Range	-55°C to 85°C (Note 1)	Storage Temperature Range	-10°C TO 60°C	
	Voltage	30V AC/DC			
	Current	Signal contact : 0.3A Power contact : 5.0A			
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
General Examination		Visually and by measuring instrument.	According to drawing.	X	X
Marking		Confirmed visually.	According to drawing.	X	X
ELECTRIC CHARACTERISTICS					
Contact Resistance	20mV AC or less 1kHz,1m A .	Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX.		X	—
Insulation Resistance	100V DC.	50 MΩ MIN.		X	—
Voltage Proof	150V AC for 1 min.	No flashover or breakdown.		X	—
MECHANICAL CHARACTERISTICS					
Mechanical Operation	10 times insertions and extractions.	① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② No damage, crack or looseness of parts.		X	—
Vibration	Frequency 10 to 55 Hz,approx 5min, Single amplitude 0.75 mm,10cycles, for 3 directions.	① No electrical discontinuity of 1 μs. ② No damage, crack or Looseness of parts.		X	—
Shock	490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.	① No electrical discontinuity of 1 μs. ② No damage, crack or looseness of parts.		X	—
ENVIRONMENTAL CHARACTERISTICS					
Rapid Change of Temperature	Temperature -55 → +85°C Time 30 → 30 min Under 5 cycles. (Relocation time to chanber : within 2-3 min)	① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② Insulation resistance: 50MΩ MIN. ③ No damage, crack or looseness of parts.		X	—
Damp Heat (Steady state)	Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.	① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② Insulation resistance: 50MΩ MIN. ③ No damage, crack or looseness of parts.		X	—
Sulphur Dioxide	Exposed in 25 PPM for 96h,25°C,75%. (Refer to JIS C 60068)	Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX.		X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠					
REMARKS			APPROVED	TY. 00I	20240209
Note1: Include the temperature rising by current			CHECKED	TY. 00I	20240209
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.			DESIGNED	RT. SHIMIZU	20240209
			DRAWN	TY. AMEMIYA	20240209
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-396180-51-00
HRS	SPECIFICATION SHEET		PART NO.	BM57B0. 6-10DS/2-0. 3V (51)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0673-0069-0-51	⚠ 1/1