

APPLICABLE STANDARD		SPECIFICATIONS		
RATING	Operating Temperature Range	△ -55°C to 85°C (Note 1)	Storage Temperature Range	-10°C TO 60°C
	Voltage	△ 50V AC/DC		
	Current	Signal contact : 0.3A Power contact : 3.0A		
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: 20 mΩ MAX. △ 1	X	—
Insulation Resistance	100V DC.	1000 MΩ MIN.	X	—
Voltage Proof	150V AC for 1 min.	No flashover or breakdown.	X	—
MECHANICAL CHARACTERISTICS				
Mechanical Operation	30times insertions and extractions. △ 1	① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 20 mΩ MAX. ② No damage, crack or looseness of parts.	X	—
Vibration	Frequency 10 to 55 to 10 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 chamber : within 2-3 min)	① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 20 mΩ MAX. ② Insulation resistance: 1000MΩ 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: 20 mΩ MAX. ② Insulation resistance: 100MΩ 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: 20 mΩ MAX. △ 1	X	—
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△ 8	DIS-H-00019811	RT. SHIMIZU	TY. 001	20240122
REMARKS Note1: Include the temperature rising by current		APPROVED	WR. FUKUCHI	20190424
		CHECKED	TS. MIYAZAKI	20190424
		DESIGNED	YT. TAKAGI	20190423
		DRAWN	RN. IIDA	20190423
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC-386724-51-01
HRS	SPECIFICATION SHEET		PART NO.	BM29B0. 6-4DS/2-0. 35V (51)
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0673-7063-0-51
		△	1/1	