

APPLICABLE STANDARD					
RATING	Operating Temperature Range	-40°C to 85°C (Note 1)	Storage Temperature Range	-10°C TO 60°C	
	Voltage	30V AC/DC	Applicable Connector	BM25-4P/2-V (**)	
	Current 	Signal contact : 0.3A Power contact : 10.0A			
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: 30 mΩ MAX. Power contact resistance: 5 mΩ MAX.		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	10times insertions and extractions.	① Signal contact resistance: 30 mΩ MAX. Power contact resistance: 5 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: 30 mΩ MAX. Power contact resistance: 5 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: 30 mΩ MAX. Power contact resistance: 5 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: 30 mΩ MAX. Power contact resistance: 5 mΩ MAX.		X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	1	DIS-H-00001221	TR. YUNOKI	TS. MIYAZAKI	15. 12. 26
REMARKS Note1: Include the temperature rising by current			APPROVED	KH. IKEDA	14. 07. 30
			CHECKED	WR. FUKUCHI	14. 07. 30
			DESIGNED	YK. KOBAYASHI	14. 07. 29
			DRAWN	YK. KOBAYASHI	14. 07. 29
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-358233-01
	SPECIFICATION SHEET		PART NO.	BM25-4S/2-V (51)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL677-1200-0-51	 1/1