





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	BM25-4S/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	10 times 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			APPROVED	MO. ISHIDA	15. 03. 26
Note1: Include the temperature rising by current			CHECKED	YH. MICHIDA	15. 03. 26
			DESIGNED	TR. YUNOKI	15. 03. 26
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.			DRAWN	KR. AJITO	15. 03. 26
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-358234-53-01
	SPECIFICATION SHEET		PART NO.	BM25-4P/2-V (53)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL677-1201-2-53	 1/1