









**THE DATASHEET OF  
BM25-4P/2-V(51)**



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 <sup>2</sup> 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	-
REVISIONS					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	1	DIS-H-00001221	TR. YUNOKI	TS. MIYAZAKI	15. 12. 26
REMARKS			APPROVED	KH. IKEDA	14. 07. 30
Note1: Include the temperature rising by current  Unless otherwise specified, refer to JIS C 5402 and IEC 60512.			CHECKED	WR. FUKUCHI	14. 07. 30
			DESIGNED	YK. KOBAYASHI	14. 07. 29
			DRAWN	YK. KOBAYASHI	14. 07. 29
			Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-358234-01
	SPECIFICATION SHEET		PART NO.	BM25-4P/2-V (51)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL677-1201-2-51	 1/1

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