

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 $\Delta$	Signal contact : 0.3A Power contact : 10.0A		

## SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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### 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 <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	-

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
$\Delta$ 1	DIS-H-00001221	TR. YUNOKI	TS. MIYAZAKI	15. 12. 26

REMARKS Note1: Include the temperature rising by current  Unless otherwise specified, refer to JIS C 5402 and IEC 60512.	APPROVED	MO. ISHIDA	15. 03. 26
	CHECKED	YH. MICHIDA	15. 03. 26
	DESIGNED	TR. YUNOKI	15. 03. 26
	DRAWN	KR. AJITO	15. 03. 26

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC-358233-53-01
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	BM25-4S/2-V (53)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL677-1200-0-53	$\Delta$ 1/1