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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD						
RATING	Operating Temperature Range	-55°C to 85°C (Note 1)	Storage Temperature Range	-10°C TO 60°C		
	Voltage	30V AC/DC				
	Current	Signal contact : 1.0A				
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: 50 mΩ MAX. 	X	—
Insulation Resistance		100V DC.		100 MΩ MIN.	X	—
Voltage Proof		150V AC for 1 min.		No flashover or breakdown.	X	—
Voltage Standing Wave Ratio	Frequency 0 ~ 1 GHz		VSWR 1.2 Max.		X	—
	Frequency 1 ~ 6 GHz		VSWR 1.3 Max.			
	Frequency 6 ~ 20 GHz		VSWR 1.5 Max			
MECHANICAL CHARACTERISTICS						
Mechanical Operation		10times insertions and extractions.		① Signal contact resistance: 50 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.  ② Insulation resistance: 100MΩ 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.  ② Insulation resistance: 50MΩ MIN. ③ No damage, crack or looseness of parts.	X	—
Sulfur Dioxide		Exposed in 25 PPM for 96h, 25°C, 75%. (Refer to IEC 60068-2-42 Test Kc)		Signal contact resistance: 50 mΩ MAX. 	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	5	DIS-H-00018586	RT. SHIMIZU	TY. 00I	20230707	
REMARKS				APPROVED	WR. FUKUCHI	20190808
Note1: Include the temperature rising by current				CHECKED	TY. 00I	20190808
Unless otherwise specified, refer to IEC 60512.				DESIGNED	SU. SUNAGA	20190808
				DRAWN	YONGJIN LEE	20190808
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-387490-51-00	
	SPECIFICATION SHEET		PART NO.	BM56G-10DS-0. 35V (51)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0673-7501-0-51		1/1