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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	-25°C TO +85°C	STORAGE TEMPERATURE RANGE	-25°C TO +60°C	
	OPERATING & STORAGE HUMIDITY RANGE	85%MAX	APPLICABLE CABLE	TINNED ANNEALED COPPER SIZE : AWG28 STRANDING : 7/0.127 INSULATION DIAMETER : $\phi 0.9 \pm 0.04$	
	VOLTAGE	AC 125V			
	CURRENT	0.5 A			
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.			X	X
ELECTRICAL CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		50 mΩ MAX. (SIGNAL) <span style="border: 1px solid black; padding: 0 2px;">1</span>	X	X
INSULATION RESISTANCE	100 V DC.		1000 MΩ MIN.	X	—
VOLTAGE PROOF	250 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE 43 N MAX. WITHDRAWAL FORCE 3.8 N MIN.	X	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE 70 mΩ MAX. <span style="border: 1px solid black; padding: 0 2px;">1</span> 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, 5 min/CYCLE, TOTAL 10 CYCLES.		1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			X	—
ENVIRONMENTAL CHARACTERISTICS					
THERMAL SHOCK	TEMP -55 → +5 TO +35 → +85 → +5 TO +35 °C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.		1) CONTACT RESISTANCE: 70 mΩ MAX. <span style="border: 1px solid black; padding: 0 2px;">1</span> 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
HUMIDITY LIFE	TEMPERATURE 40 °C, HUMIDITY 90 TO 95 %, FOR 96 h		1) INSULATION RESISTANCE: 100 MΩ MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED AT 5 % SALT WATER, FOR 48 h.		NO HEAVY CORROSION THAT LOSE FUNCTION.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
<span style="border: 1px solid black; padding: 0 2px;">1</span>	1	DIS-E-003445	TF. HIGASHIYAMA	KN. ICHIKAWA	10.09.29
REMARK			APPROVED	AO. SUZUKI	09.10.07
<span style="border: 1px solid black; padding: 0 2px;">1</span> EXCLUDES CONDUCTOR RESISTANCE OF CABLE. <span style="border: 1px solid black; padding: 0 2px;">2</span> EXAMINATION IS HELD WITH "DH-51-CV * B", "DH30B-51S" AND "DH60-51P" OR "DH-51-CT * B", "DH30B-51S" AND "DH60A-51P". Unless otherwise specified, refer to JIS C 5402 .			CHECKED	KN. ICHIKAWA	09.10.07
			DESIGNED	MO. SHIMOYAMA	09.10.07
			DRAWN	TM. ONO	09.10.07
			Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	DH30B-51S	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL244-0020-9-00	<span style="border: 1px solid black; padding: 0 2px;">1</span> / 1/1