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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	OUTER DIAMETER OF CABLE : $\phi 8.8 \pm 0.5$			
	VOLTAGE	AC 125V					
	CURRENT	0.5 A					
<b>SPECIFICATIONS</b>							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
<b>CONSTRUCTION</b>							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X
MARKING		CONFIRMED VISUALLY.				X	X
<b>ELECTRICAL CHARACTERISTICS</b>							
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		65 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
<b>MECHANICAL CHARACTERISTICS</b>							
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE 36 N MAX. WITHDRAWAL FORCE 3.3 N MIN.		X	—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE 85 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	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
THERMAL SHOCK		TEMP -55 → +5 TO +35 → +85 → +5 TO +35 °C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.		1) CONTACT RESISTANCE: 85 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	
REMARK				APPROVED	A0. SUZUKI	10.03.23	
<span style="border: 1px solid black; padding: 0 2px;">1</span> EXCLUDES CONDUCTOR RESISTANCE OF CABLE.				CHECKED	KN. ICHIKAWA	10.03.23	
2 EXAMINATION IS HELD WITH "DH-37-CV * B", "DH40-37S" AND "DH60-37P" OR "DH-37-CT * B", "DH40-37S" AND "DH60A-37P".				DESIGNED	TU. TANIGUCHI	10.03.23	
Unless otherwise specified, refer to JIS C 5402 .				DRAWN	TU. TANIGUCHI	10.03.23	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-127107-00	
		SPECIFICATION SHEET		PART NO.		DH40-37S	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL244-0055-3-00 <span style="border: 1px solid black; padding: 0 2px;">△</span> 1/1	