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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					
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).		65 mΩ MAX. (SIGNAL) 1		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 36 N MAX. WITHDRAWAL FORCE 3.3 N MIN.		X	—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE 85 mΩ MAX. 1 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 ² 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: 85 mΩ MAX. 1 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	
1 EXCLUDES CONDUCTOR RESISTANCE OF CABLE. 2 EXAMINATION IS HELD WITH "DH-37-CV * B", "DH40-37S" AND "DH60-37P" OR "DH-37-CT * B", "DH40-37S" AND "DH60A-37P". Unless otherwise specified, refer to JIS C 5402 .				CHECKED	KN. ICHIKAWA	10.03.23	
				DESIGNED	TU. TANIGUCHI	10.03.23	
				DRAWN	TU. TANIGUCHI	10.03.23	
				Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		
	SPECIFICATION SHEET			PART NO.	DH40-37S		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL244-0055-3-00		1/1