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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) 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 70 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: 70 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	
△	1	DIS-E-003445	TF. HIGASHIYAMA	KN. ICHIKAWA	10.09.29	
REMARK				APPROVED	AO. SUZUKI	09.10.07
1 EXCLUDES CONDUCTOR RESISTANCE OF CABLE. △ 2 EXAMINATION IS HELD WITH "DH-37-CV * B", "DH30B-37S" AND "DH60-37P" OR "DH-37-CT * B", "DH30B-37S" AND "DH60A-37P". 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.	ELC4-126596-00		
HRS	SPECIFICATION SHEET		PART NO.	DH30B-37S		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL244-0019-0-00		△ 1/1