





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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	-10 °C TO +60 °C	
	VOLTAGE	AC 30 V , DC 42 V			
	CURRENT	1 A	APPLICABLE CABLE	φ 5	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.			×	×
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A		30 mΩ MAX.	×	×
INSULATION RESISTANCE	100 V DC.		1000 MΩ MIN.	×	×
VOLTAGE PROOF	100 V AC. FOR 1 min. 		NO FLASHOVER OR BREAKDOWN.	×	×
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND WITHDRAWAL FORCES	φ0.291 <sub>0</sub> <sup>+0.003</sup> BY STEEL GAUGE.		INSERTION AND WITHDRAWAL FORCES: 0.1 N MIN.	×	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE WITH UNLOCK.		INSERTION AND WITHDRAWAL FORCES: 35 N MAX.	×	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.		CONTACT RESISTANCE: 50 mΩ MAX.	×	—
VIBRATION	FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s <sup>2</sup> AT 2h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK	490 m/s <sup>2</sup> DURATIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. 		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.		① INSULATION RESISTANCE: 5 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 50 MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→R/T <sup>(1)</sup> →+85→R/T °C TIME 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.		① INSULATION RESISTANCE: 1000 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION RUIN THE FUNCTION. 	×	—
DRY HEAT	EXPOSED AT +85 °C, 96 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
COLD	EXPOSED AT -55 °C, 96 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
RESISTANCE TO SOLDERING HEAT.	SOLDERED TEMPERATURE, +380±10°C, FOR SOLDERING DURATION, 3 <sub>0</sub> <sup>+1</sup> s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, +350°C±10°C FOR SOLDERING DURATION, 2 TO 3s.		WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.	×	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	3	DIS-C-001989	YS. SAKODA	HY. KISHI	10.12.02
REMARK			APPROVED	MO. SATOH	07.03.23
NOTE (1) R/T :ROOM TEMPERATURE.			CHECKED	EJ. KUNII	07.03.22
Unless otherwise specified, refer to JIS C 5402.			DESIGNED	HS. KAWASHIMA	07.03.22
			DRAWN	MK. SATO	07.03.20
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-047752-72	
	SPECIFICATION SHEET		PART NO.	HR25-7TP-8S (72)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL125-0006-1-72	 1/1