

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		STORAGE TEMPERATURE RANGE	
		-30 °C TO	70 °C		°C TO °C
RATING	VOLTAGE	AC 125 V		OPERATING HUMIDITY RANGE	— % TO — %
	CURRENT	0.5 A		APPLICABLE CABLE	φ4.8±0.2

**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

ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	1 mA (DC OR 1000 Hz).	<input checked="" type="checkbox"/>	40 mΩ MAX.	X
INSULATION RESISTANCE	100 V DC.		250 MΩ MIN.	X
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X

MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE 40 N MAX. EXTRACTION FORCE 4 N MIN.	X
MECHANICAL OPERATION	3000 TIMES INSERTIONS AND EXTRACTATIONS.		① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X

VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.		NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			X
LOCK STRENGTH	TO LOCK AXIALLY.		APPLYING PULL FORCE, 40 N MIN.	X

**ENVIRONMENTAL CHARACTERISTICS**

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90~95 %, 96 h.		① INSULATION RESISTANCE : 1 MΩ MIN. (AT HIGH HUMIDITY) : 100 MΩ MIN. (AT DRY) ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	X

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
<input checked="" type="checkbox"/> WITHOUT BULK RESISTANCE. Unless otherwise specified, refer to JIS C 5402. Note QT:Qualification Test AT:Assurance Test X:Applicable Test	<i>H. Takahashi</i>	<i>H. Takahashi</i>	<i>M. Moriguchi</i>	<i>Y. Takahashi</i>	

<b>HRS</b> HIROSE ELECTRIC CO., LTD.		<b>SPECIFICATION SHEET</b>		PART NO. 3 2 4 0 - 8 P - C (5 0)	
CODE NO.(QLD)	DRAWING NO.	CODE NO.	CL 2 3 2 - 0 0 0 1 - 4 - 5 0	1	1
CL	ELC 4 - 0 4 5 9 3 1 - 0 3				

