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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				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	- °C TO - °C
	VOLTAGE	250 V AC	OPERATING HUMIDITY RANGE	- % TO - %
	CURRENT	-	APPLICABLE CABLE	-

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="checkbox"/>	<input type="checkbox"/>
MARKING	CONFIRMED VISUALLY.		<input type="checkbox"/>	<input type="checkbox"/>

ELECTRIC CHARACTERISTICS

CONTACT RESISTANCE	10 mA (DC OR 1000 Hz).	70 mΩ MAX.	<input type="checkbox"/>	<input type="checkbox"/>
INSULATION RESISTANCE	250 V DC.	1000 MΩ MIN.	<input type="checkbox"/>	<input type="checkbox"/>
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="checkbox"/>	<input type="checkbox"/>

MECHANICAL CHARACTERISTICS

INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 78.4 N MAX. EXTRACTION FORCE 19.6 N MIN.	<input type="checkbox"/>	-
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="checkbox"/>	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 3 h, FOR 6 DIRECTIONS.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="checkbox"/>	-
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		<input type="checkbox"/>	-

ENVIRONMENTAL CHARACTERISTICS

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 5~35→105 →5~35 °C TIME 30 → 2~ 3→ 30 → 2~3 min UNDER 10 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="checkbox"/>	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	<input type="checkbox"/>	-

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	T. Ito 05.10.13	T. Ito 05.10.13	Y. Enami 05.10.14	H. Miura 05.10.17	

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test ○:Applicable Test

 HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET		PART NO.
			FI40B-20S-CV5(50)
CODE NO.(OLD)	DRAWING NO.	PART NO.	
CL	ELC4-120500-01	CL230-0520-9-50	1/1

TO
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