

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	- 40 °C TO 85 °C	STORAGE TEMPERATURE RANGE °C TO °C
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE % TO %
	CURRENT	1 A	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="radio"/>	<input type="radio"/>
MARKING	CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>

ELECTRIC CHARACTERISTICS

CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	40 mΩ MAX.	<input type="radio"/>	<input type="radio"/>
INSULATION RESISTANCE	250 V DC.	1000 MΩ MIN.	<input type="radio"/>	<input type="radio"/>
VOLTAGE PROOF	350 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="radio"/>

MECHANICAL CHARACTERISTICS

INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 27.6 N MAX. EXTRACTION FORCE 27.6 N MAX.	<input type="radio"/>	<input type="radio"/>
MECHANICAL OPERATION	20000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: 60 mΩ MAX.	<input type="radio"/>	<input type="radio"/>
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>

ENVIRONMENTAL CHARACTERISTICS

DRY HEAT	EXPOSED AT 85 °C, 500 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 15 ~ 35 → 85 → 15 ~ 35 °C TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY.) ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	<input type="radio"/>	<input type="radio"/>
MIXED GAS CORROSION	EXPOSED IN SO ₂ 10 ppm, H ₂ S 3 ppm, 70 ~ 80 % RH, 96 h.		<input type="radio"/>	<input type="radio"/>

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.	<i>J. Hamaya</i> 03.10.29	<i>J. Hamaya</i> 03.10.29	<i>Y. Enami</i> 03.10.30	<i>H. Minato</i> 03.10.30	

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. 3530A-10P-CV(50)
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CODE NO.(OLD) CL	DRAWING NO. ELC4-120711-01	CODE NO. CL235-0009-5-50	1/1
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