

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	- 25 °C TO 60 °C	STORAGE TEMPERATURE RANGE	°C TO °C
	VOLTAGE	125 V AC , 175 V DC	OPERATING HUMIDITY RANGE	% TO %
	CURRENT	0.5 A	APPLICABLE CABLE	

SPECIFICATIONS

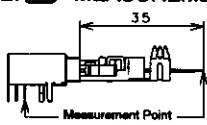
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	
MARKING	CONFIRMED VISUALLY.		○	○

ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	1 mA (DC OR 1000 Hz).	①	35 mΩ MAX.	○ ○
INSULATION RESISTANCE	100 V DC.		250 MΩ MIN.	○ ○
VOLTAGE PROOF	300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	○ ○

MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		2.4 N MIN. 11.2 N MAX.	○ -
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS. ①		① CONTACT RESISTANCE: 35 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ -
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 NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ -
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		① REMAIN ENGAGED WHILE THE FORCE IS APPLIED. ② NO DEFECT AT MATING AREA AFTER THE TEST.	○ -
LOCK RETENTION FORCE	APPLY 68.6 N PULL FORCE TO THE MATING DIRECTION.			○ -

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.	○ -
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °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.	○ -
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	○ -
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION 10 ± 1 S.		NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	○ -
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 ± 2 °C FOR IMMERSION, DURATION 3 ± 1 S.		MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	○ -

REMARKS NOTE. ① MEASUREMENT POINT OF CONTACT RESISTANCE	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		<i>S. Hamaya</i>	<i>S. Hamaya</i>	<i>T. Watanabe</i>	<i>H. Miwa</i>
(WITHOUT BULK RESISTANCE) Unless otherwise specified, refer to JIS C 5402.	03.12.10	03.12.10	03.12.11	03.12.12	

Note QT:Qualification Test AT:Assurance Test ○:Applicable Test				
HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. 3110-8S(50)		
CODE NO.(OLD) CL	DRAWING NO. ELC4-045469-01	CODE NO. CL231-3001-4-50	1/1	

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