

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 80 °C			STORAGE TEMPERATURE RANGE	°C TO °C			
	VOLTAGE	125 V AC			CURRENT	500 mA			

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	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS. (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)	230 mΩ MAX.	○	○
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	○	○
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	○

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 250 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 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 5 μs.	○	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	② CONTACT RESISTANCE: 250 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—

ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE: 250 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 10 MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55±3 → 5 TO 35 → 85±2 → 5 TO 35°C TIME 30 TO 35→5 MAX→30 TO 35→5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 250 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 250 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS.	○	—

REMARKS FOR REFERENCE ONLY Subject to change without notice Unless otherwise specified, refer to JIS C 5402.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>J. Kamarya</i>	<i>J. Kamarya</i>	<i>J. Watanabe</i>	<i>H. Miura</i>	
	99.1.13	99.1.13	99.1.14	99.1.14	

Note QT:Qualification Test AT:Assurance Test ○:Applicable Test		PART NO.	
HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET		TM18R - 88
CODE NO.(OLD) CL	DRAWING NO. ELG4 - 121627	CODE NO. CL 222 - 2867 - 2	1/1

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