

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	— °C TO — °C
	VOLTAGE	AC 250 V	OPERATING HUMIDITY RANGE	— % TO — %
	CURRENT	0.5 A	APPLICABLE CABLE	UL20276 AWG NO.28 (φ 0.58)

SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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).	35 mΩ MAX. 1	<input type="radio"/>	<input type="radio"/>
INSULATION RESISTANCE	500V DC.	500 MΩ MIN.	<input type="radio"/>	<input type="radio"/>
VOLTAGE PROOF	500 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 73.5 N MAX. EXTRACTION FORCE 19.6 N MIN.	<input type="radio"/>	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 1 35mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 6 DIRECTION.		<input type="radio"/>	—
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.	<input type="radio"/>	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90~95 %RH, 96 h.	① INSULATION RESISTANCE AT HIGH HUMIDITY 1 MΩ MIN. AT DRY 100 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	<input type="radio"/>	—

NOTE 1 CONTACT RESISTANCE TEST POSITION.

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	 02/04/05	 02/04/05	 02.4.5	 02.04.09	
	Unless otherwise specified, refer to JIS C 5402.				

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

HS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DX40M-50P
CODE NO.(OLD) CL	DRAWING NO. ELC4-045317	PART NO. CL230-5036-3

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