

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	125 V AC , 175 V DC	OPERATING HUMIDITY RANGE	% TO %
	CURRENT	0.5 A	APPLICABLE CABLE	UL2789 AWG No.28

SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT

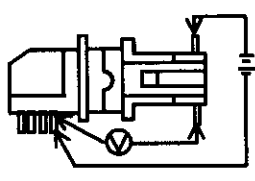
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	○ ○
MARKING	CONFIRMED VISUALLY.			○ ○

ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	①	50 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.		19.6 N MIN. 68.6 N MAX.	○ —
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 50 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.		NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ —
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			

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.		INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY.) 100 MΩ MIN. (AT DRY.)	○ —
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	○ —

NOTE. ① MEASUREMENT POINT OF CONTACT RESISTANCE



REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>G. Hamaya</i> 03.9.20	<i>G. Hamaya</i> 03.9.20	<i>Y. Enami</i> 03.09.22	<i>H. Miura</i> 03.09.22	

Unless otherwise specified, refer to JIS C 5402.

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DX30A-68P(50)
CODE NO.(OLD) CL	DRAWING NO. ELC4-028049-01	CODE NO. CL230-0026-2-50

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