


COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	°C TO °C	STORAGE TEMPERATURE RANGE	°C TO °C
	VOLTAGE	200 V AC , 280 V DC	OPERATING HUMIDITY RANGE	% TO %
	CURRENT	3 A	APPLICABLE CABLE	

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). <span style="border: 1px solid black; padding: 0 2px;">1</span>	20 mΩ MAX.	○	○
INSULATION RESISTANCE	500 V DC.	5000 MΩ MIN.	○	○
VOLTAGE PROOF	1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	○
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	φ 1.041 MAX φ 0.991 MIN BY STEEL GAUGE.	INSERTION FORCE 3.3 N MAX. EXTRACTION FORCE 0.3 N MIN.	○	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 166.6 N MAX. EXTRACTION FORCE 14.7 N MIN.	○	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS. <span style="border: 1px solid black; padding: 0 2px;">1</span>	① CONTACT RESISTANCE: 25 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
VIBRATION	FREQUENCY 10 TO 500 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		○	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 25 → 85 → 25 °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) 1000 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. <span style="border: 1px solid black; padding: 0 2px;">1</span> MEASUREMENT POINT OF CONTACT RESISTANCE				
				
Unless otherwise specified, refer to JIS C 5402.				
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test				
<b>HS</b> HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DN10-50S(50)
CODE NO.(OLD)	DRAWING NO.	CODE NO.	<div style="border: 1px solid black; padding: 2px; display: inline-block;">1/1</div>	
CL	ELC4-021096-01	CL225-0003-1-50		