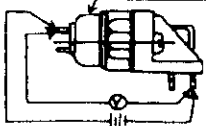


COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE	°C TO °C			STORAGE TEMPERATURE RANGE	°C TO °C				
	VOLTAGE	350 V AC , 490 V DC			OPERATING HUMIDITY RANGE	% TO %				
	CURRENT	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). ①			25 mΩ MAX.			○	○	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX, 1 mA (DC OR 1000 Hz). ①						○	—	
INSULATION RESISTANCE		500 V DC.			5000 MΩ MIN.			○	○	
VOLTAGE PROOF		1250 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 3.33 N MAX. EXTRACTION FORCE 0.28 N MIN.			○	—	
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE 123.5 N MAX. EXTRACTION FORCE 82.3 N MAX.			○	—	
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS. ①			① CONTACT RESISTANCE: 25 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 3 DIRECTIONS.						○	—	
ENVIRONMENTAL CHARACTERISTICS										
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55±2→-5~35→85±3→5~35 °C TIME 30 →5MAX→ 30 →5MAX 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: 10 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. ① MEASUREMENT POINT OF CONTACT RESISTANCE								
HDCB-37P		DRAWN			DESIGNED			CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.		03.7.2			03.7.2			03.07.1		
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test										
HS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET			PART NO. RD CD-37S-LNA(55)					
CODE NO.(OLD) CL		DRAWING NO. ELC4-020692-02			CODE NO. CL211-0320-1-55			1/1		