

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					
△						△					
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE		-55 °C TO 85 °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).				25 mΩ MAX.				○	○
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX, 1 mA (DC OR 1000 Hz).								○	—
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 83.3 N MAX. EXTRACTION FORCE 55.8 N MAX.				○	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.				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						DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
									H. (M. 10.20)		
Unless otherwise specified, refer to JIS C 5402.									03.08.20		
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test											
HRS HIROSE ELECTRIC CO., LTD.						SPECIFICATION SHEET			PART NO. RDBD-25SE1/M2.6(55)		
CODE NO.(OLD) CL			DRAWING NO. ELC4-047708-03			CODE NO. CL211-5197-4-55			1 1		