



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	— °C TO — °C		
	CURRENT	3 A	APPLICABLE CABLE	—		
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.			X	X
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).		25 mΩ MAX.	X	X
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX 1 mA (DC OR 1000Hz).				
INSULATION RESISTANCE		500 V DC.		5000 MΩ MIN.	X	X
VOLTAGE PROOF		1250 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES		MAX φ1.041 BY STEEL GAUGE. MIN φ0.991		INSERTION FORCE 3.3 N MAX. EXTRACTION FORCE 0.3 N MIN.	X	—
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) CONTAC RESISTANCE: 25 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK		490 m/s <sup>2</sup> DIRECTION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			X	—
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 25 → 85 → 25 °C. TIME 30 → 10~15 → 30 → 10~15min. UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
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.	X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
0						
REMARK  Unless otherwise specified, refer to JIS C 5402.				APPROVED	HO.MIWA	06.07.27
				CHECKED	HO.MIWA	06.07.27
				DESIGNED	YH.ENAMI	06.07.27
				DRAWN	YH.ENAMI	06.07.27
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-021192-01	
	SPECIFICATION SHEET		PART NO.	RDBD-25SE-LNA (4-40) (55)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL211-0438-1-55		1/1