

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	2	DIS-E-000411	T.I	H.M	05.11.25				

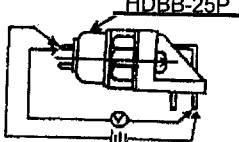
APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-55°C TO 85°C	△
	VOLTAGE	350 V AC , 490 V DC	
	CURRENT	3 A	
	STORAGE TEMPERATURE RANGE	-55°C TO 85°C	△
	OPERATING HUMIDITY RANGE	% TO %	
	APPLICABLE CABLE		

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○
<b>ELECTRIC CHARACTERISTICS</b>				
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.	○	○
<b>MECHANICAL CHARACTERISTICS</b>				
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	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 <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.		○	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
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



DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
T.Kameya	T.Kameya	Y.Enami	H.Miwa	
03.7.31	03.7.31	03.8.4	03.8.5	

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.
		RDBD-25S-LNA(55)
CODE NO.(OLD) CL	DRAWING NO. ELC4-010412-02	CODE NO. CL211-0296-9-55

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