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 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

TO
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△	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
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CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="radio"/>	<input type="radio"/>
MARKING	CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>

ELECTRIC CHARACTERISTICS

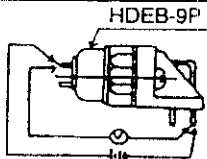
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz). T	25 mΩ MAX.	<input type="radio"/>	<input type="radio"/>
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX, 1 mA (DC OR 1000 Hz). T		<input type="radio"/>	<input type="radio"/>
INSULATION RESISTANCE	500 V DC.	5000 MΩ MIN.	<input type="radio"/>	<input type="radio"/>
VOLTAGE PROOF	1250 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="radio"/>

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.	<input type="radio"/>	<input type="radio"/>
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 30.4 N MAX. EXTRACTION FORCE 19.6 N MAX.	<input type="radio"/>	<input type="radio"/>
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS. T	① CONTACT RESISTANCE: 25 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		<input type="radio"/>	<input type="radio"/>

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.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>

REMARKS NOTE. T MEASUREMENT POINT OF CONTACT RESISTANCE		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		<i>J. Kamei</i>	<i>Y. Kamei</i>	<i>H. Kamei</i>	<i>H. Kamei</i>	
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test						

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. RDED-9S-LNA(4-40)(55)
CODE NO.(OLD) CL	DRAWING NO. ELC4-021213-02	CODE NO. CL211-0404-0-55
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