	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					. .	△					. .
△					. .	△					. .

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−10 ℃TO +60 ℃	STORAGE TEMPERATURE RANGE	−10 ℃TO +60 ℃
	VOLTAGE	AC 30V, DC 42V	———	———
	CURRENT	3 A	APPLICABLE CABLE	———

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCODING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A.	30 mΩ MAX.	○	—
INSULATION RESISTANCE	100 V DC	1000 MΩ MIN.	○	—
VOLTAGE PROOF	150 V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN.	○	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND WITHDRAWAL FORCES	——— BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES: ——— N MIN.	○	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. WITH, WITHOUT LOCKING DEVICE	INSERTION AND WITHDRAWAL FORCES: 4.9 TO 49 N.	○	—
MECHANICAL OPERATION	5000 TIMES INSERTIONS AND EXTRACTIONS	CONTACT RESISTANCE: 60 mΩ MAX.	○	—
VIBRATION	FREQUENCY 10 TO 55 Hz, TOTAL AMPLITUDE 1.5 mm, —— m/s² AT 2 h FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
SHOCK	490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 TO 95 %, 96 h.	①INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ②INSULATION RESISTANCE: 100 MΩ MIN (AT DRY). ③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE − 55→R/T(1)→ + 85→R/T ℃ TIME 30 →10 TO 15 → 30 →10 TO 15 min UNDER 5 CYCLES.	①INSULATION RESISTANCE: 100 MΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	○	—
DRY HEAT	EXPOSED AT + 85 ℃, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
COLD	EXPOSED AT − 55 ℃, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, +350±10℃, FOR IMMERSION, DURATION, 5±1 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	○	—
SOLDERABILITY	SOLDER TEMPERATURE, +235±5℃, FOR IMMERSION, DURATION, 2±0.5 s.	COVERD WITH A SMOOTH AND BRIGHT SOLDER COATING WITH NO PIN-HOLE OR UN-WETTED OR DE-WETTED AREAS.	○	—

REMARKS
(1) RESISTANCE TO SOLDERING HEAT SHALL BE TESTED IN MOUNTED CONDITION WITH BOAD OF 0.8mm.

NOTE(1) ROOM TEMPERATURE.
Unless otherwise specified, refer to JIS C 5402.

DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
H. Kishi	H. Kishi		M. Yoshida	
96.1.24	96.1.24		96.1.26	

Note QT : Qualification Test AT : Assurance Test ○ : Applicable Test

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HM

HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. RP34−8R−3PDLD

CODE NO. (OLD)	DRAWING NO.	CODE NO.	
CL	ELC4−045695	CL 113−5066−0	1/1

FORM NO. 231-1