

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△	1	DIS-C-01838(02669)(C)	H.K	4.5	99.12.21	△			
△					△				

APPLICABLE STANDARD	
RATING	OPERATING TEMPERATURE RANGE -10 °C TO +60 °C VOLTAGE AC 30 V , DC 42 V CURRENT 3 A
	STORAGE TEMPERATURE RANGE -10 °C TO +60 °C

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	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				
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. LOCKING DEVICE WITH LOOK.	INSERTION AND WITHDRAWAL FORCES : 4.9 TO 49 N MAX. △	○	—
MECHANICAL OPERATION	5000 TIMES INSERTIONS AND EXTRACTATIONS.	① CONTACT RESISTANCE: 60 mΩ MAX.	○	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2h.FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTION	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—

ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.	① INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 100 MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → R/T → +85 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES. (R/T: ROOM TEMPERATURE)	① INSULATION RESISTANCE: 100 MΩ MAX. ② NO 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 °C , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
COLD	EXPOSED AT - 55 °C , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, +350 ± 5 °C, FOR IMMERSION, DURATION, 5 ± 1 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	○	—
SOLDERABILITY	SOLDER TEMPERATURE, +235 ± 5 °C, FOR IMMERSION, DURATION, 2 ± 0.5 s.	COVERD WITH A SMOOTH AND BRIGHT SOLDER COLDER COATING WITH NO PIN-HOLE OR UN-WETTED OR DE-WETTED AREAS.	○	—

REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
RESISTANCE TO SOLDERING HEAT SHALL BE TESTED IN MOUNTED CONDITION WITH BOAD OF 0.8mm.		H.Kishi	H.Kishi	M. SaCo	M. Goshida	
Unless otherwise specified, refer to JIS C 5042.		99.12.21	99.12.21	99.12.21	99.12.21	

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

HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO.	
				RP34-8R-3PDL	
CODE NO.(OLD)	DRAWING NO.	CODE NO.		1/1	
CL	ELC4-044397	CL 113-5042-2			

