

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C				
	VOLTAGE	AC 250 V , DC 350 V								
	CURRENT	5 A			APPLICABLE CABLE					
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				5 mΩ MAX.				○	○
	CONTACT SHALL BE MEASURED AT DC — A				— mΩ MAX.				—	—
INSULATION RESISTANCE	500 V DC.				1000 MΩ MIN.				○	○
VOLTAGE PROOF	1000 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				○	○
MECHANICAL CHARACTERISTICS										
CONTACT INSERTION AND WITHDRAWAL FORCES	φ 0.97 ± 0.003 BY STEEL GAUGE.				INSERTION AND WITHDRAWAL FORCES : 0.2 N MIN .				○	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.				INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOOK : 55 N MAX. LOCKING DEVICE WITH LOOK : — N MAX.				○	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.				CONTACT RESISTANCE: 5 mΩ MAX. — RESISTANCE: — mΩ MAX.				○	—
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE 0.75 mm. — m/s ² AT 2 h, 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 DIRECTIONS.				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 -40 → R/T ⁽¹⁾ → +100 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.				① INSULATION RESISTANCE: 1000 MΩ MIN. 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 + 100 °C , 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	—
COLD	EXPOSED AT - 40 °C , 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, + 350 ± 10 °C , FOR SOLDERING DURATION, 5 ± 1 s.				NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.				○	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, + 350 ± 10 °C FOR SOLDERING DURATION, 2 ~ 3 s.				NO DEFECT AS PINHOLE, NON-WETTING AND DE-WETTING OF SOLDER EXIS OR NOT ON THE SURFACE SOLDERING.				○	—
SEALING	EXPOSED AT A DEPTH OF — m FOR — h.				NO WATER PENETRATION INSIDE CONNECTOR.				—	—
AIRTIGHTNESS	APPLY AIR PRESSURE — kPa FOR — s TO INSIDE CONNECTOR.				NO AIR BUBBLES INSIDE CONNECTOR.				—	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
NOTE(1) R/T : ROOM TEMPERATURE					H. YOKOMIZO 98.5.23	H. Kishi 98.5.24	M. Sato 98.5.25	M. Goshida 98.5.26		
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. JR21RK-16S		
CODE NO. (OLD) CL			DRAWING NO. ELC4-024156			CODE NO. CL114-0530-5			1/1	

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