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

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25 ℃ TO +85 ℃	STORAGE TEMPERATURE RANGE	-10 ℃ TO +60 ℃
	VOLTAGE	AC 250 V , DC 350 V	———	———
	CURRENT	5 A	APPLICABLE CABLE	φ15

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	φ0.97 ± 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 : 53.9 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, 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3TIMES FOR 6 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 MΩMIN (AT HIGH HUMIDITY). ②INSULATION RESISTANCE: 100 MΩMIN (AT DRY). ③NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	×	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40→ R/T(1) →+100 → R/T ℃ TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.	①INSULATION RESISTANCE: 1000 MΩMIN. ②NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	×	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSIN.	×	—
DRY HEAT	EXPOSED AT +100 ℃ , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
COLD	EXPOSED AT -40 ℃ , 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, +380±10℃ , FOR SOLDERING DURATION 3^{+1}_{0} s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, +350±10℃ FOR IMMERSION DURATION, 2 TO 3 s.	SOLDER SURFACE TO BE FREE FROM PIN-HOLE, NO WETTING AND OTHER DEFECTS.	×	—
SEALING	EXPOSED AT A DEPTH OF —— m FOR —— h.	NO WATER PENETRATION INSIDE CONNECTOR.	—	—
AIRTIGHTNESS	APPLY AIR PRESSURE —— kPa FOR —— min TO INSIDE CONNECTOR.	NO AIR BUBBLES INSIDE CONNECTOR.	—	—

REMARKS

NOTE(1) R/T : ROOM TEMPERATURE

Unless otherwise specified, refer to JIS C 5402.

DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
E. Kunii	E. Kunii		M. Sato	
'06.03.13	'06.03.13		'06.03.27	

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

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HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. JR21PK-16S(71)

CODE NO. (OLD)	DRAWING NO.	CODE NO.	
CL	ELC4-023972-71	CL114-0514-9-71	1/1

FORM No. 231-1