

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	10 A			APPLICABLE CABLE	φ18			
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		— BY STEEL GAUGE.			INSERTION AND WITHDRAWAL FORCES : — N.			—	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOOK : 70.6 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 °C, 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 °C 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 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, +380±10°C, FOR SOLDERING DURATION 3 ₀ ⁺ s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			×	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, +350±10°C 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					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE(1) R/T : ROOM TEMPERATURE Unless otherwise specified, refer to JIS C 5402.					E. Kunita 06.03.13	E. Kunita 06.03.13	/	M. Sato 06.03.29	
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. JR25PK-16P(71)		
CODE NO. (OLD) CL		DRAWING NO. ELC4-024133-71			CODE NO. CL114-0507-3-71			1	1

Apr.1.2018 Copyright 2018 HIROSE ELECTRIC CO., LTD. All Rights Reserved.

TO
R

