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 In case that the application demands a high level of reliability, such as automotive,  
 please contact a company representative for further information.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	AC 1000 V , DC 1400 V			
	CURRENT	30 A	APPLICABLE CABLE	φ 18	
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X	
MARKING	CONFIRMED VISUALLY.		X	X	
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A	5 mΩ MAX.	X	X	
INSULATION RESISTANCE	500 V DC.	10000 MΩ MIN.	X	X	
VOLTAGE PROOF	3000 V AC. FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND WITHDRAWAL FORCES	φ 3.58±0.003 BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES : 3.3 N MIN.	X	-	
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : 50 N MAX. LOCKING DEVICE WITH LOCK : - N MAX.	X	-	
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: 10 mΩ MAX.	X	-	
VIBRATION	FREQUENCY: 10 → 55 → 10 (Hz) (1CYC, 5min), SINGLE AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	-	
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s <sup>2</sup> DURATIONS OF PULSE 11 ms.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	-	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.	① INSULATION RESISTANCE: - MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 5000 MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → R/T <sup>(1)</sup> → +100 → R/T °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 10000 MΩ MIN.. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION RUIN THE FUNCTION.	X	-	
DRY HEAT	EXPOSED AT + 100 °C, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
COLD	EXPOSED AT - 40 °C, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, + 380±10°C, FOR SOLDERING DURATION, 3 <sup>+1</sup> 0 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	-	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, + 350±10°C FOR SOLDERING DURATION, 2 TO 3 s.	WETTING ON SOLDER SURFACE, NO SOLDER CLUSTER.	X	-	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	①				
REMARK			APPROVED	EJ. KUNII	13. 04. 05
Note(1) R/T : ROOM TEMPERATURE			CHECKED	HY. KISHI	13. 04. 05
			DESIGNED	HK. NAMAI	13. 04. 04
Unless otherwise specified, refer to JIS C 5402.			DRAWN	HK. NAMAI	13. 04. 04
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-118216-00	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	JR25PH-4S	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL114-0627-5-00	△ 1/1