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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	φ18
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	BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES : - N MIN.	-	-
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.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	-
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s ² 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 ⁽¹⁾ →+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 ⁺¹ 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
0				
REMARK		APPROVED	EJ. KUNII	13. 04. 05
Note(1) R/T : ROOM TEMPERATURE		CHECKED	HY. KISHI	13. 04. 05
		DESIGNED	HK. NAMAI	13. 04. 05
Unless otherwise specified, refer to JIS C 5402.		DRAWN	HS. NAGANO	13. 03. 28
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-118215-00	
HRS	SPECIFICATION SHEET	PART NO.	JR25PH-4P	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL114-0626-2-00	△ 1/1