


APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C (NOTE 1) 	STORAGE TEMPERATURE RANGE	-10°C TO +60°C (NOTE 2)
	OPERATING HUMIDITY RANGE	40% TO 80%	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 2)
	VOLTAGE	250V AC	APPLICABLE CABLE	AWG 24 TO 28 (φ0.9 TO φ1.45)
	CURRENT	AWG 24~26 : 2 A AWG 28 : 1 A		

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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#### CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

#### ELECTRIC CHARACTERISTICS

CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	X	-
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#### MECHANICAL CHARACTERISTICS


MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-

#### ENVIRONMENTAL CHARACTERISTICS


RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 10 → 30→ 10 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
SULPHUR DIOXIDE	EXPOSED IN 5 %, 35°C, SALT WATER SPRAY FOR 48 h.	NO HAEAVY CORROSION.	X	-

#### REMARKS

NOTE 1: INCLUDING THE TEMPERATURE RISE BY CURRENT.  
NOTE 2: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD.  
AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	1 DIS-H-008540	MI. SAKIMURA	HK. UMEHARA	14.02.26	
Unless otherwise specifid, refer to IEC 60512.			APPROVED	TY. OMA	06.08.07
			CHECKED	HK. UMEHARA	06.08.07
			DESIGNED	AH. MIYAZAKI	06.08.03
			DRAWN	AH. MIYAZAKI	06.08.03

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC4-081374-01

<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF11-EP2428PC
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543-0616-7  1/1