

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-30°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C	
	OPERATING HUMIDITY RANGE	40% TO + 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% TO + 70%	
	VOLTAGE	250V AC	APPLICABLE CONNECTOR	DF11-*DS-2C	
	CURRENT	0.5A	APPLICABLE CABLE	UL1061/UL1007 AWG30	
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	100mA (DC OR 1000 Hz).		30mΩ MAX.	X	—
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
CONTACT INSERTION AND EXTRACTION FORCE	□0.5±0.002 BY STEEL GAUGE.		INSERTION FORCE 4.4N MAX EXTRACTION FORCE 0.3N MIN	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 ² 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 TO 15→30→10 TO 15 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ 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: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
REMARKS					
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT NOTE 2:NO CONDENSING.					
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
Unless otherwise specifid , refer to JIS C 5402.			APPROVED	TS. SAKATA	09. 11. 17
			CHECKED	TS. FUKUSHIMA	09. 11. 17
			DESIGNED	TH. YOSHI ZAWA	09. 11. 16
			DRAWN	TH. YOSHI ZAWA	09. 11. 16
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-081092-01
HRS	SPECIFICATION SHEET		PART NO.	DF11-30SCFA (04)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543-0607-6-04	△ 1/1

FORM HD0011-2-1