

APPLICABLE STANDARD		SPECIFICATIONS			
RATING	OPERATING TEMPERATURE RANGE	-40°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	
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/s² 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
	1	DIS-H-008540	MI. SAKIMURA	HK. UMEHARA	14.02.26
Unless otherwise specified, refer to IEC 60512.				APPROVED	TS. SAKATA
				CHECKED	TS. FUKUSHIMA
				DESIGNED	TH. YOSHIZAWA
				DRAWN	TH. YOSHIZAWA
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO. ELC4-081092-01	
	SPECIFICATION SHEET		PART NO.	DF11-30SCFA (04)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543-0607-6-04	