

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		
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	
	1	DIS-H-008540	MI. SAKIMURA	HK. UMEHARA	14.02.26	
Unless otherwise specified, refer to IEC 60512.				APPROVED	TS. SAKATA	09.11.17
				CHECKED	TS. FUKUSHIMA	09.11.17
				DESIGNED	TH. YOSHIZAWA	09.11.16
				DRAWN	TH. YOSHIZAWA	09.11.16
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	