

APPLICABLE STANDARD				STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE 2)
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C (NOTE 1)		STORAGE HUMIDITY RANGE	40% TO + 70% (NOTE 2)
	OPERATING HUMIDITY RANGE	40% TO + 80%		APPLICABLE SOCKET	DF11-4DS-2C
	VOLTAGE	250V AC		APPLICABLE CABLE	AWG30
	CURRENT	AWG30 : 0.5A			
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS		QT	AT
CONSTRUCTION			ACCORDING TO DRAWING.		
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			X	X
MARKING	CONFIRMED VISUALLY.			X	X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.		X	-
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES	□0.5±0.002 BY STEEL GAUGE.	INSERTION FORCE 4.4 N MAX. EXTRACTION FORCE 0.3 N MIN.		X	-
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
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→5 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: 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 INTERIM STORAGE DURING TRANSPORTATION.					
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
4	DIS-H-008703	M. SAKIMURA	TS. KUMAZAWA	14.04.24	
Unless otherwise specified, refer to IEC 60512.					
		APPROVED	K.I. KATAYOSE	05.01.05	
		CHECKED	TY. OMA	05.01.05	
		DESIGNED	I.O. DENPOUYA	05.01.05	
		DRAWN	I.O. DENPOUYA	05.01.05	
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-081090-00		
HRS	SPECIFICATION SHEET		PART NO.	DF11-30SCF	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543-0605-0-00	
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