

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60 °C (NOTE 3)
	OPERATING HUMIDITY RANGE	40% TO + 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% TO + 70% (NOTE 3)
	VOLTAGE	250 V AC (DC)	APPLICABLE CONNECTOR	DF1B-*(E)S-2, 5RC DF1B-*(D)S-2, 5RC
CURRENT	AWG 24 : 3A AWG 26 : 2A AWG 28 : 1A	APPLICABLE CABLE	UL1007 : 24 TO 28 AWG	
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 MILLIVOLT LEVEL METHOD	100 mA (DC OR 1000Hz), 30 mΩ MAX.	X -
MECHANICAL CHARACTERISTICS		CONTACT INSERTION AND EXTRACTION FORCE	□0.635±0.002mm BY STEEL GAUGE. INSERTION FORCE : 4.4N MAX. EXTRACTION FORCE : 0.44N MIN.	X -
MECHANICAL OPERATION	50 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 1 μs. 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.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		
ENVIRONMENTAL CHARACTERISTICS		RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→-5 TO 35→+85→5 TO35 °C TIME 30 →5 →30 →5 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	-
REMARKS				
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT				
NOTE 2:NO CONDENSING				
NOTE 3: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
△				
		APPROVED	K.I. AKIYAMA	10.11.26
		CHECKED	T.S. FUKUSHIMA	10.11.25
		DESIGNED	HT. SATO	10.11.25
		DRAWN	M.I. SAKIMURA	10.11.24
Unless otherwise specified, refer to JIS C 5402.				
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-080533-01	
HRS SPECIFICATION SHEET		PART NO.	DF1B-2428SCA	
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541-0681-6-00	△ 1/1