

APPLICABLE STANDARD										
RATING	VOLTAGE	250 V AC /DC	CURRENT	1	AWG20 : 5 A AWG22 : 3 A					
	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)					
	APPLICABLE CABLE	UL1007,1061 : 20-22 AWG		APPLICABLE CONNECTOR	DF1B-*S-2.5R DF1B-*DS-2.5RC DF1B-*(D)ES-2.5RC					
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 : 4.4 N MAX. EXTRACTION FORCE : 0.44 N 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.									
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 RISING BY CURRENT NOTE 2:NO CONDENSING. NOTE 3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE MOUNTED ON PCB, AFTER MOUNTED ON PCB, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.										
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED		CHECKED					
	1		TS. KUMAZAWA		SZ. ONO					
Unless otherwise specified, refer to IEC 60512.				APPROVED	TS. SAKATA					
				CHECKED	TS. FUKUSHIMA					
				DESIGNED	HT. SATO					
				DRAWN	YK. NAKATSU					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-021360-01					
HRS	SPECIFICATION SHEET		PART NO.	DF1B-2022SCFA						
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL541-0662-1-00		△ 1/1				