

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO 85 °C(NOTE 1)				STORAGE TEMPERATURE RANGE	-10°C TO 60 °C		
	VOLTAGE	250 V AC				APPLICABLE CONNECTORS	DF1E-*S-2.5C		
	CURRENT	AWG22~20 : 3A				OPERATING HUMIDITY RANGE	UL1007,1061:AWG22~20		

SPECIFICATIONS										
ITEM	TEST METHOD				REQUIREMENTS				QT	AT
CONSTRUCTION										
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				×	×
MARKING	CONFIRMED VISUALLY.								×	×
ELECTRIC CHARACTERISTICS										
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX, 1 mA(DC OR 1000 Hz).				30 mΩ MAX.				×	—
INSULATION RESISTANCE	500 V DC.				1000 MΩ MIN.				×	—
VOLTAGE PROOF	650 V AC FOR 1 min.				NO FLASH OVER OR BREAKDOWN.				×	—
MECHANICAL CHARACTERISTICS										
CONTACT INSERTION AND EXTRACTION FORCES	□0.635±0.002 BY STEEL GAUGE.				INSERTION FORCE 4.4 N MAX. EXTRACTION FORCE 0.4 N MIN.				×	—
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				×	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75mm, — m/s ² AT 2 h, FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1μs. ② CONTACT RESISTANCE: 30 mΩ MAX.				×	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.				③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				×	—
ENVIRONMENTAL CHARACTERISTICS										
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →5 TO 35→85 →5 TO 35 °C TIME 30→ 5 MAX → 30 → 5 MAX min UNDER 5 CYCLES.				① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:1000MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				×	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.				① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.				×	—
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT					DRAWN Y.NAGASHIMA	DESIGNED Y. Imoue	CHECKED T.Miyazaki	APPROVED K. Katayama	RELEASED	
Unless otherwise specified, refer to MIL-STD-1344.					'00.08.09	'00.08.09	'00.08.09	'00.8.9		
Note QT: Qualification Test AT: Assurance Test ×:Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO. DF1E-2022SCF		
CODE NO.(OLD) CL		DRAWING NO. ELC4-161406			PEART NO CL541-0999-5			1/1		