

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	DF1B-* S-2.5R DF1B-* DS-2.5RC DF1B-* (D)ES-2.5RC			
	CURRENT	AWG24~28 : 1A			OPERATING HUMIDITY RANGE	UL1007, 1061: AWG24~28			
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 0.44 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 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 → 10 → 30 → 10 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ 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: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—	
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT Unless otherwise specified, refer to MIL-STD-1344.				DRAWN J.Nakamura	DESIGNED Y.Inoue	CHECKED K.Akayama	APPROVED K.Katayama	RELEASED	
				'01.05.16	'01.05.16	'01.5.17	'01.5.17		
Note QT: Qualification Test AT: Assurance Test ×:Applicable Test									
HIROSE HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET				PART NO. DF1B-2428SC			
CODE NO.(OLD) CL		DRAWING NO. ELC4-080531			PART NO CL541-0679-4			1 1	