

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE		-35 °C TO 85 °C(NOTE 1)			STORAGE TEMPERATURE RANGE		-10°C TO 60 °C			
	VOLTAGE		500 V AC			APPLICABLE CONNECTORS		DF5 (A) - *S-5C (**) DF5A-*DS-5C (**)			
	CURRENT (NOTE 2)		AWG18 : 8A MAX AWG20 : 6A MAX AWG22 : 5A MAX			OPERATING HUMIDITY RANGE		UL1007:AWG18~22			
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		100 mA (DC OR 1000 Hz).				30 mΩ MAX.			×	—	
MECHANICAL CHARACTERISTICS											
CONTACT INSERTION AND EXTRACTION FORCES		□1.14±0.002 BY STEEL GAUGE.				INSERTION FORCE 4.5 N MAX. EXTRACTION FORCE 0.3 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 10μs. 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 NOTE2: RATED CURRENT CONFORMS TO APPLICABLE CONNECTOR						DRAWN I.DENPOWA 00.12.20	DESIGNED H. Uehara 00.12.21	CHECKED C. Honomi 00.12.28	APPROVED K. Katayama 01.1.5	RELEASED	
Unless otherwise specified, refer to MIL-STD-1344.											
Note QT: Qualification Test AT: Assurance Test ×:Applicable Test											
HRS		HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. DF5-1822SCF		
CODE NO.(OLD) CL		DRAWING NO. ELC4-160129				PEART NO CL676-0001-1				1/1	