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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	500 V AC				APPLICABLE CONNECTORS	DF5 (A) - *S-5C (**) DF5A-*DS-5C (**)		
	CURRENT (NOTE 2)	AWG22 : 5A AWG20 : 6A AWG18 : 8A				OPERATING HUMIDITY RANGE	UL1015:AWG22~18		

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.	×	—		
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	×	—		
VOLTAGE PROOF	1500V AC FOR 1 min.	NO FLASH OVER OR BREAKDOWN.	×	—		
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 Y.NAGASHIMA '00.08.09	DESIGNED Y.Inoue '00.08.09	CHECKED T.Miyazaki '00.08.09	APPROVED K.Katayama '00.8.9	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. DF5A-1822SCF		
CODE NO.(OLD) CL	DRAWING NO. ELC4-160131	PEART NO CL676-0003-7		1/1		