

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 <i>Y. Inoue</i> '00.08.09	CHECKED <i>T. Miyazaki</i> '00.08.09	APPROVED <i>K. Katayama</i> '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	

TO

