

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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<b>APPLICABLE STANDARD</b>									
<b>RATING</b>	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		

<b>SPECIFICATIONS</b>						
ITEM	TEST METHOD	REQUIREMENTS	QT	AT		
<b>CONSTRUCTION</b>						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×		
MARKING	CONFIRMED VISUALLY.		×	×		
<b>ELECTRIC CHARACTERISTICS</b>						
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	×	—		
<b>MECHANICAL CHARACTERISTICS</b>						
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 <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10μs. ② CONTACT RESISTANCE: 30 mΩ MAX.	×	—		
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—		
<b>ENVIRONMENTAL CHARACTERISTICS</b>						
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.	×	—		
<b>REMARKS</b> NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT NOTE2: RATED CURRENT CONFORMS TO APPLICABLE CONNECTOR Unless otherwise specified, refer to MIL-STD-1344.						
		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
Note QT: Qualification Test AT: Assurance Test ×:Applicable Test <b>HS HIROSE ELECTRIC CO., LTD.</b>						
<b>CODE NO.(OLD)</b> CL		<b>DRAWING NO.</b> ELC4-160129		<b>PEART NO</b> CL676-0001-1		<b>PART NO.</b> DF5-1822SCF 1/1

