



**THE DATASHEET OF  
DF5-1822SCF**



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 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
<b>APPLICABLE STANDARD</b>									
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			
<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		<input type="checkbox"/> 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				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				I.DENPOVA 00.12.20	H. Uehara 00.12.21	C. Honami 00.12.28	K. Katayama 01.1.5		
Unless otherwise specified, refer to MIL-STD-1344.									
Note QT: Qualification Test AT: Assurance Test ×:Applicable Test									
<b>HRS</b> HIROSE ELECTRIC CO., LTD.				<b>SPECIFICATION SHEET</b>			PART NO. DF5-1822SCF		
CODE NO.(OLD) CL		DRAWING NO. ELC4-160129			PART NO. CL676-0001-1			1/1	



TO

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