

Jan.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
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
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	500 V AC			APPLICABLE CONNECTOR	DF5A- * P-5DSA			
	CURRENT	AWG18 8A			APPLICABLE CONTACT	DF5-1822SC(F)			
		AWG20 6A				DF5A-1822SC(F)			
		AWG22 5A			APPLICABLE CABLE	AWG18~AWG22			
<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		100mA(DC OR 1000 Hz).			30mΩ MAX.			×	—
INSULATION RESISTANCE		500 V DC.			1000 MΩ MIN.			×	—
VOLTAGE PROOF		1500 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	—
<b>MECHANICAL CHARACTERISTICS</b>									
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.			①CONTACT RESISTANCE: 30 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s <sup>2</sup> AT 2h, FOR 3 DIRECTIONS.			①NO ELECTRICAL DISCONTINUITY OF 10μs.			×	—
SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS.			②CONTACT RESISTANCE: 30mΩ MAX. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 →5~35→ 85 →5~35 °C TIME 30 →5 → 30 → 5 min UNDER 5 CYCLES.			①CONTACT RESISTANCE: 30 mΩ MAX. ②INSULATION RESISTANCE:1000 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.			①CONTACT RESISTANCE: 30 mΩ MAX. ②INSULATION RESISTANCE: 500 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
REMARKS									
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				I.DENPOUYA	I.DENPOUYA	H.Umehara	K. Katayama		
				'01.11.27	'01.11.27	'01.11.27	'01.11.30		
Unless otherwise specified, refer to MIL-STD-1344.									
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test									
<b>HRS</b> HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO.		
							DF5A- * S - 5 C		
CODE NO.(OLD)		DRAWING NO.			PART NO.				
CL		ELC4-160243			CL676				
					1/1				

TO

