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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
△					△				
△					△				

APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)	
	VOLTAGE	500 V AC	
	CURRENT	AWG18 8A	
		AWG20 6A	
		AWG22 5A	
		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
		APPLICABLE CONNECTOR	DF5A-8DP-5DSA
		APPLICABLE CONTACT	DF5-1822SCF DF5A-1822SCF
		APPLICABLE CABLE	AWG18~AWG22

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×

ELECTRIC CHARACTERISTICS

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.	×	—

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10μs.	×	—
SHOCK	490 m/s ² DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS.	② CONTACT RESISTANCE: 30mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—

ENVIRONMENTAL CHARACTERISTICS

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 5 → 30 → 5 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—

REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	DRAWN I.DENPOUYA '01.7.11	DESIGNED I.DENPOUYA '01.7.11	CHECKED C.Hanami '01.7.11	APPROVED K.Katayama '01.7.18	RELEASED
Unless otherwise specified, refer to MIL-STD-1344.					

Note QT:Qualification Test AT:Assurance Test ×:Applicable Test

HS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF5A-8DS-5C
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CODE NO (OLD) CL	DRAWING NO. ELC4-160155	PART NO. CL676-0027-5	1/1
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