

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		-35°C TO +85°C (NOTE1)		STORAGE TEMPERATURE RANGE		-10 °C TO +60 °C	
RATING	VOLTAGE		500V AC		APPLICABLE CONNECTOR		DF5 (A) - *S-5C (**)		
	CURRENT		AWG18 MAX 8A		APPLICABLE CABLE		DF5A-*DS-5C (**)		
			AWG20 MAX 6A				AWG18~AWG22		
				AWG22 MAX 5A					

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="checkbox"/>	<input type="checkbox"/>
MARKING	CONFIRMED VISUALLY.		<input type="checkbox"/>	<input type="checkbox"/>

ELECTRICAL CHARACTERISTICS

CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	<input type="checkbox"/>	<input type="checkbox"/>
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, Ma(DC OR 1000 Hz).	mΩ MAX.	<input type="checkbox"/>	<input type="checkbox"/>
INSULATION RESISTANCE	500V DC.	1000 MΩ MIN.	<input type="checkbox"/>	<input type="checkbox"/>
VOLTAGE PROOF	1500V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="checkbox"/>	<input type="checkbox"/>

MECHANICAL CHARACTERISTICS

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.	<input type="checkbox"/>	<input type="checkbox"/>
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.	<input type="checkbox"/>	<input type="checkbox"/>
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	<input type="checkbox"/>	<input type="checkbox"/>
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10μs.	<input type="checkbox"/>	<input type="checkbox"/>
SHOCK	490m/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.	<input type="checkbox"/>	<input type="checkbox"/>

ENVIRONMENTAL CHARACTERISTICS

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→15~35→+85→15~35°C TIME 30→10~15→30→10~15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	<input type="checkbox"/>	<input type="checkbox"/>
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2°C, 90~95%, 96h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	<input type="checkbox"/>	<input type="checkbox"/>
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C, FOR IMMERSION, DURATION, s.	NO DEFORMATION ON CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS.	<input type="checkbox"/>	<input type="checkbox"/>
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IN IMMERSION, DURATION, s.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	<i>Miyazaki</i>	<i>Ishiyama</i>	<i>C. Hamami</i>	<i>K. Katayama</i>	
Unless otherwise specified, refer to MIL-STD-1344.	99.1.27	99.1.27	99.1.30	99.2.1	

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF5-1822SC
CODE NO.(OLD) CL	DRAWING NO. ELC4-160130	CODE NO. CL676-0002-4

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