

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)	STORAGE TEMPERATURE RANGE
	VOLTAGE	150 V AC	APPLICABLE CONTACT
	CURRENT	1 A	APPLICABLE CONNECTOR
			APPLICABLE CABLE

		-10 °C TO +60 °C	
			DF13/13A-40DP-1. 25V(01)

SPECIFICATIONS															
ITEM	TEST METHOD	REQUIREMENTS	QT/AT												
CONSTRUCTION															
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○ ○												
MARKING	CONFIRMED VISUALLY.		○ ○												
ELECTRICAL CHARACTERISTICS															
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	○ -												
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, mA(DC OR 1000 Hz).		- -												
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	○ -												
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○ -												
MECHANICAL CHARACTERISTICS															
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.	INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.	- -												
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.	- -												
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTION.	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 2 h, UNDER 10 CYCLES.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.	○ -												
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○ -												
ENVIRONMENTAL CHARACTERISTICS															
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 15~35 → +85 → 15~35 °C TIME 30 → 2 ~ 3 → 30 → 2 ~ 3 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○ -												
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.		○ -												
CORROSION, SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: - mΩ MAX. ② NO HEAVY CORROSION.	○ -												
HYDROGEN SULPHIDE	EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-38)	① CONTACT RESISTANCE: mΩ MAX. ② NO HEAVY CORROSION.	- -												
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)	① CONTACT RESISTANCE: - mΩ MAX. ② NO HEAVY CORROSION.	○ -												
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION, 5 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	○ -												
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230 ± 10 °C FOR IMMERSION DURATION, 3 s.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	○ -												
<table border="1"> <tr> <td>REMARKS</td> <td>DRAWN</td> <td>DESIGNED</td> <td>CHECKED</td> <td>APPROVED</td> <td>RELEASED</td> </tr> <tr> <td>NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT. FOR REFERENCE ONLY Subject to change without notice Unless otherwise specified, refer to MIL-STD-1344.</td> <td><i>L. Tashiro</i> '96.4.24</td> <td><i>L. Tashiro</i> '96.4.24</td> <td><i>J. Ono</i> '96.4.24</td> <td><i>H. Yamamoto</i> '96.4.24</td> <td></td> </tr> </table>				REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT. FOR REFERENCE ONLY Subject to change without notice Unless otherwise specified, refer to MIL-STD-1344.	<i>L. Tashiro</i> '96.4.24	<i>L. Tashiro</i> '96.4.24	<i>J. Ono</i> '96.4.24	<i>H. Yamamoto</i> '96.4.24	
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Note QT:Qualification Test AT:Assurance Test ○:Applicable Test															
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF13-40DS-1. 25DSA(01)											
CODE NO.(OLD) CL	DRAWING NO. ELC4-160787-01	PART NO. CL 536 - 0635 - 3 - 01		1/1											



