

△	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	△	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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<b>APPLICABLE STANDARD</b>				
<b>RATING</b>	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	100V AC	APPLICABLE CONTACT	—
	CURRENT	AWG28: 1 A, 30AWG: 0.5 A	APPLICABLE CONNECTOR	DF19G-8P-1H
		32AWG : 0.3 A	APPLICABLE CABLE	OUTER DIAMETER: φ 0.5 TO 0.6 mm

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○

<b>ELECTRICAL CHARACTERISTICS</b>				
CONTACT RESISTANCE	mA (DC OR 1000 Hz).	mΩ MAX.	—	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX. mA(DC OR 1000 Hz).	mΩ MAX.	—	—
INSULATION RESISTANCE	100V DC.	500 MΩ MIN.	○	—
VOLTAGE PROOF	300V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	—

<b>MECHANICAL CHARACTERISTICS</b>				
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.	INSERTION FORCE EXTRACTION FORCE	N MAX. N MIN.	— —
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE EXTRACTION FORCE	N MAX. N MIN.	— —
MECHANICAL OPERATION	TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		— —
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.		○ —
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② CONTACT RESISTANCE: - mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		○ —

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5~35 → +85 → 5~35 °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%, 96h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		○ —
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C, FOR IMMERSION, DURATION, s.	NO DEFORMATION ON CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS.		— —
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IN IMMERSION, DURATION, s.	SOLDER SHALL COVER A MINIMUM OF % OF THE SURFACE BEING IMMERSED.		— —

REMARKS NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>H. Umehara</i>	<i>H. Umehara</i>	<i>J. Ono</i>	<i>K. Katayama</i>	
Unless otherwise specified, refer to MIL-STD-1344.	99.5.27	99.5.27	99.5.31	99.6.1	

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

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. <b>DF19-8S-1C</b>
CODE NO.(OLD) CL	DRAWING NO. <b>ELC4-162994</b>	CODE NO. CL 685-0029-1

TO

