

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	100V AC	APPLICABLE CONTACT
	CURRENT	AWG28:1 A, 30AWG:0.5 A	APPLICABLE CONNECTOR
		32AWG : 0.3 A	APPLICABLE CABLE
			OUTER DIAMETER: φ 0.5 TO 0.6 mm

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	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.	○ —
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	TIMES INSERTIONS AND EXTRACTIONS.	①CONTACT RESISTANCE: mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	— —
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 1 μs.	○ —
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	②CONTACT RESISTANCE: - mΩ MAX. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○ —
ENVIRONMENTAL CHARACTERISTICS			
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5~35→ +85→ 5~35 °C TIME 30→ 2~3 → 30→ 2~3 min UNDER 5 CYCLES.	①CONTACT RESISTANCE: 30 mΩ MAX. ②INSULATION RESISTANCE: 500 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○ —
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2°C, 90~95%, 96h.	①CONTACT RESISTANCE: 30 mΩ MAX. ②INSULATION RESISTANCE: 500 MΩ MIN. ③NO 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	
Unless otherwise specified, refer to MIL-STD-1344.		J. Tashiro '98.8.4	J. Tashiro '98.8.4
		M. Nakamura '98.8.6	K. Katayama '98.8.6
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test			
HS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET	
CODE NO.(OLD) CL		PART NO. DF19-14S-1C	
DRAWING NO. ELC4-162513		CODE NO. CL 685-0012-9	
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