

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	-10 °C TO +60 °C
	VOLTAGE	100 V AC	APPLICABLE CONTACT	—
	CURRENT	AWG28:1 A, AWG30:0.9 A	APPLICABLE CONNECTOR	DF19*-30P-1H
		AWG32:0.8 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						
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	×	—		
VOLTAGE PROOF	300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	—		
MECHANICAL CHARACTERISTICS						
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 ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—		
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5TO 35→+85→ 5TO 35 °C TIME 30→ 2TO 3 → 30→ 2 TO 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 TO 95 %, 96 h.		×	—		
REMARKS NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.		DRAWN S. Ono 07.02.12	DESIGNED S. Ono 07.02.12	CHECKED T. Miyazaki 04.02.12	APPROVED T. Ono 04.02.12	RELEASED
Unless otherwise specified, refer to JIS-C-5024.						
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test						
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF19-30S-1C		
CODE NO.(OLD) CL	DRAWING NO. ELC4-162521-01	PART NO. CL 685-0013-1			1/1	