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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				

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
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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. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×	—

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	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	<i>S. Ono</i>	<i>S. Ono</i>	<i>T. Miyazaki</i>	<i>J. Ono</i>	
Unless otherwise specified, refer to JIS-C-5024.	07.02.12	07.02.12	07.02.12	07.02.12	

Note QT:Qualification Test AT:Assurance Test ×:Applicable Test				
<b>HRS</b> 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	

