

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our May.1.2024 Copyright 2024 HIKOSE ELECTRIC CO., LTD. All Rights Reserved.

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
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						DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.						S. Ono	S. Ono	T. Miyagaki	T. Ono		
Unless otherwise specified, refer to JIS-C-5024.						08.02.12	08.02.12	04.02.12	04.02.12		
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		