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

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C	
	VOLTAGE	100 V AC	APPLICABLE CONNECTOR	DF19#-*P-1H(56)	
	CURRENT	0.5 A			
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING		CONFIRMED VISUALLY.		○	○
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 m A (DC OR 1000 Hz).	50 mΩ MAX.	○	-
INSULATION RESISTANCE		100 V DC.	500 MΩ MIN.	○	-
VOLTAGE PROOF		300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	-
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRactions.	① CONTACT RESISTANCE: 50 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.		○	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		○	-
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→-5 TO 35→+85 →-5 TO 35 °C TIME 30→2 TO 3 → 30 →2 TO 3 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 50 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.		○	-
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT. Unless otherwise specified, refer to JIS C 5402.			APPROVED	TY.OMA	06.02.09
			CHECKED	HK.UMEHARA	06.02.09
			DESIGNED	IO.DENPOUYA	06.01.28
			DRAWN	AH.MIYAZAKI	06.01.28
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-311699-01
HRS	SPECIFICATION SHEET		PART NO.	DF19G-*S-1F (05)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL685-	1/