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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 (NOTE 3)	
	OPERATING HUMIDITY RANGE	40% TO 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 3)	
	VOLTAGE	100 V AC/DC	APPLICABLE CONNECTOR	DF19#-*P-1H(**) DF19-*P-1V(**)	
	CURRENT	28AWG: 1A/pin 30AWG: 0.9A/pin 32AWG: 0.8A/pin	APPLICABLE CONTACT APPLICABLE CABLE	DF19#-****SCFA(**) OUTER DIAMETER:0.6 mm MAX	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.			
ELECTRIC CHARACTERISTICS					
INSULATION RESISTANCE		100 V DC.	500 MΩ MIN.	X	-
VOLTAGE PROOF		300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	-
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.	NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
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) INSULATION RESISTANCE: 500 MΩ MIN. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.			
REMARKS NOTE 1: INCLUDE TEMPERATURE RISING BY CURENT. NOTE 2: NO CONDENSING. NOTE 3: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE HARNESS ASSEMBLY. AFTER HARNESS ASSEMBLY, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR IUNTERIM STORAGE DURING TRANSPORTATION.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
Unless otherwise specified, refer to IEC 60512.			APPROVED	HS. OKAWA	20200313
			CHECKED	TS. KUMAZAWA	20200313
			DESIGNED	HK. HAYASHI	20200313
			DRAWN	DS. HIROWATARI	20200306
Note QT: Qualification Test AT: Assurance Test X: Applicable Test			DRAWING NO.		ELC-162779-06-00
HRS	SPECIFICATION SHEET		PART NO.	DF19G-*S-1C (06)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL685-	△ 1/1