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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#-30P-1H(56)	
	CURRENT	0.5 A			
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="radio"/>	<input type="radio"/>
MARKING		CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).	50 mΩ MAX.	<input type="radio"/>	-
INSULATION RESISTANCE		100 V DC.	500 MΩ MIN.	<input type="radio"/>	-
VOLTAGE PROOF		300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	-
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	<input type="radio"/>	-
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.	<input type="radio"/>	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		<input type="radio"/>	-
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: 50mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	<input type="radio"/>	-
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		<input type="radio"/>	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
<input type="checkbox"/>					
REMARKS			APPROVED	TY. OMA	06.03.16
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.			CHECKED	HK. UMEHARA	06.03.16
Unless otherwise specified, refer to JIS C 5402.			DESIGNED	IO. DENPOUYA	06.03.16
			DRAWN	AK. MIURA	06.03.14
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-163241-03
HRS	SPECIFICATION SHEET		PART NO.	DF19G-30S-1F (05)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL685-0033-9-05	<input type="checkbox"/> 1/1