

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*-20P-1H(56)
	CURRENT	0.5 A		

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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#### 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 m A (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

INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR	INSERTION FORCE EXTRACTION FORCE	30 N MAX 10 N MIN	<input type="radio"/>	-
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 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 <sup>2</sup> 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: 30 mΩ 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

<b>REMARKS</b> NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE2:*=TERMINATION STYLE MARKING (C:CRIMP SOCKET, F:FPC SOCKET, SD:SOCKET FOR FINE COAXIAL CABLES) Unless otherwise specified, refer to JIS C 5402.	APPROVED	TY.OMA	05.11.04
	CHECKED	HK.UMEHARA	05.10.31
	DESIGNED	TS.KUMAZAWA	05.10.31
	DRAWN	AH.MIYAZAKI	05.10.31

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	<b>ELC4-162454-02</b>
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	<b>DF19G-20S-1F (05)</b>	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	<b>CL685-0009-4-05</b>	1/