APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85°C (NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60°C (NOTE3)
	OPERATING HUMIDITY RANGE	40% TO 80% (NOTE2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)
	VOLTAGE	100 V AC/DC	APPLICABLE CONNECTOR	DF19#-*P-1H(##) DF19-*P-1V(##)
	CURRENT	36AWG : 0.5A/pin 40AWG : 0.3A/pin	APPLICABLE CABLE	THIN COAXIAL CABLE 36AWG, 40AWG

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000Hz)	80mΩ MAX.	X	—
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.	1) CONTACT RESITANCE: NO VARIATION OF 50mΩ OR MORE FROM INITIAL VALUE. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2h FOR 3 DIRECTION.	1) ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT(STEADY STATE)	EXPOSED AT 40±2℃ , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1 TO 2h.)	1) CONTACT RESITANCE: NO VARIATION OF 50mΩ OR MORE FROM INITIAL VALUE. 2) INSULATION RESISTANCE: 500 MΩ MIN. 3) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55℃→ +85℃ TIME 30min→ 30min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2 TO 3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1 TO 2h.)	1) CONTACT RESITANCE: NO VARIATION OF 50mΩ OR MORE FROM INITIAL VALUE. 2) INSULATION RESISTANCE: 500 MΩ MIN. 3) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RESISTANCE TO SOLDERING HEAT	【RECOMMENDED TEMPERATURE PROFILE】 SOLDER TEMPERATURE , 260℃ FOR IMMERSION, DURATION, 10s	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERING TEMPERATURE : 245℃ DURATION OF IMMERSION : SOLDERING, FOR 2s	A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.	X	—

REMARKS
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.
NOTE2: NO CONDENSING
NOTE3: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE MOUNTED ON PCB. AFTER MOUNTED ON PCB, OPERATING TEMPERATURE AND HUMIDITTY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0					

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-306221-06-00

HRS	SPECIFICATION SHEET	PART NO.	DF19G-*S-1SD(06)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL685 △0	1/1

FORM HD0011-2-1