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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	APPLICABLE CONNECTOR	DF19#-*P-1HV(##) DF19-*P-1V(##)
	CURRENT	AWG36 : 0.5A AWG40 : 0.3A	APPLICABLE CABLE	THIN COAXIAL CABLE

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 m A (DC OR 1000Hz)	30 mΩ 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 RESISTANCE : 30 mΩ 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°C , 90 TO 95 % , 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1 TO 2h.)	① CONTACT RESITANCE : 30mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55°C→ +85°C 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 : 30mΩ MAX. 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°C FOR IMMERSION, DURATION, 10s	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERING TEMPERATURE : 235°C DURATION OF IMMERSION : SOLDERING, FOR 2s	A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMersed.	X	—

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

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0				
REMARKS Unless otherwise specified, refer to IEC 60512.		APPROVED	HS. OKAWA	18.06.25
		CHECKED	SZ. ONO	18.06.25
		DESIGNED	TS. KUMAZAWA	18.06.25
		DRAWN	SN. MIWA	18.06.25

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC4-346269-00

HRS	SPECIFICATION SHEET	PART NO.	DF19G-*S-1SD (05)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.		△ 1/1