

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)		STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	30V AC		APPLICABLE CONNECTOR	DF36-40S-0. 4V
	CURRENT	0. 25A		APPLICABLE CABLE	THIN COAXIAL CABLE(AWG#42)
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	100m A (DC OR 1000 Hz).		CONTACT:80mΩ MAX. SHIELDING:80mΩ MAX.		X —
INSULATION RESISTANCE	100V DC.		50MΩ MIN.		X —
VOLTAGE PROOF	100V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X —
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. SHIELDING RESISTANCE: NO VARIATION OF 50 mΩ 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, 3 DIRECTIONS × 10 CYCLE.		① NO ELECTRICAL DISCONTINUITY OF 1 μs.		X —
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X —
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +85 °C TIME 30 → 30 min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE CHAMBER IS 2-3 MINUTE.)		① CONTACT RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. SHIELDING RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE.		X —
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		② INSULATION RESISTANCE: 25 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X —
SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY 48 h.		NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR.		X —
SULFUR DIOXIDE GAS	EXPOSED IN 10-15 PPM 96h.				X —
RESISTANCE TO SOLDERING HEAT	① BONDING TEMPERATURE: 270°C MAX :5 sec MAX 200°C MIN :30 sec MAX ② MANUAL SOLDERING TEMPERATURE: 350°C, 3sec MAX.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X —
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230°C FOR INSERTION DURATION, 3 sec.		SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		X —
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT Unless otherwise specified, refer to JIS C 5402, IEC60512.				APPROVED	TS. SAKATA
				CHECKED	HK. UMEHARA
				DESIGNED	HY. SHIOZAWA
				DRAWN	HY. SHIOZAWA
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-309125-02
	SPECIFICATION SHEET		PART NO.	DF36-40P-0. 4SD (51)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL662-4002-3-51	