

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C
	VOLTAGE	50V AC	APPLICABLE CONNECTOR	DF21-30S-0.6V (56)
	CURRENT	AWG40 : 0.3A AWG36 : 0.5A (NOTE 2)	APPLICABLE CABLE (NOTE 3)	THIN COAXIAL CABLE

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).	100mΩ MAX.	X	—
INSULATION RESISTANCE	100V DC.	500MΩ MIN.	X	—
VOLTAGE PROOF	150V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	30 TIMES INSERTION AND EXTRACTION.	① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. 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

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: 100mΩ MAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		X	—
CORROSION,SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.		X	—
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JEIDA-39)		X	—
RESISTANCE TO SOLDERING HEAT	1) FOR REFFLOW SPLDERING TEMPERATURE: MAX 270°C, 5 sec MAX. 200°C AND OVER,30 sec MAX. 2) MANUAL SOLDERING TEMPERATURE: 350±5 °C, 3 sec MAX.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230°C FOR IN IMMERSION DURATION, 3 s.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	—

REMARKS

NOTE 1:INCLUDE THE TEMPERATURE RISING BY CURRENT.
NOTE 2:IN CASE OF APPLYING HIGHER CURRENT ON A CERTAIN PATTERN OF FPC,INDIVIDUAL EXAMINATION IS REQUIRED.
NOTE 3:WITHDRAWAL PREVENTION TREATMENT TO BE MADE FOR CABLE WITHOUT GROUND BAR. OUTER DIAMETERS:0.4mm MAX

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
Unless otherwise specifid , refer to JIS C 5402.			APPROVED	TY. OMA 07. 04. 24
			CHECKED	HK. UMEHARA 07. 04. 24
			DESIGNED	TS. FUKUSHIMA 07. 04. 24
			DRAWN	AK. MIURA 07. 04. 19

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC4-163700-03

HRS	SPECIFICATION SHEET	PART NO.	DF21-30P-0.6SD (05)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL687-1502-6-05	△ 1/1