

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO +85 °C(NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	50 V AC	APPLICABLE CONNECTORS	DF21-30P-0.6SD DF21-30P-0.6SD-GND
	CURRENT	AWG40:0.3A AWG36:0.5A	APPLICABLE CABLE	THIN COAXIAL RIBBON 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 mA (DC OR 1000 Hz).	100 mΩ MAX.	X	-
INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	X	-
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	-

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 100 mΩ 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 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

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: 100 mΩ MAX. ② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 100 mΩ MAX. ② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
CORROSION, SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	-
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h (TEST STANDARD: JEIDA-39)	NO HEAVY CORROSION.	X	-
RESISTANCE TO SOLDERING HEAT	① FOR REFLOW SOLDERING TEMPERATURE: 240°C, 3 sec MAX. 200°C AND OVER, 30 sec MAX. ② FOR 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 IMMERSION DURATION, 3 sec.	SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSED	X	-

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE2: IN CASE OF APPLYING HIGHER CURRENT ON ACERTAIN PATTERN OF FPC, INDIVIDUAL EXAMINATION IS REQUIRED.	APPROVED	TY. OMA	05.08.11
	CHECKED	HK. UMEHARA	05.08.11
	DESIGNED	IO. DENPOUYA	05.08.11
	DRAWN	MK. MATSUO	05.08.08

Unless otherwise specified, refer to JIS-C-5402.

Note QT: Qualification Test AT: Assurance Test X: Applicable Test	DRAWING NO.	ELC4-163487-02
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HRS	SPECIFICATION SHEET	PART NO.	DF21-30S-0.6V (56)
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL687-0003-0-56

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