APPLICA	BLE STANI	DARD									
	OPERATING		ISTOR			AGE		Т			
	TEMPERATURE RANGE OPERATING HUMIDITY		-55 °C TO 85 °C (1) (2)		TEMPERATUR STORAGE HUI RANGE				-10 °C TO 60 °C (3)	
RATING			RH 85 % MAX (2) (4)						RH 70 % MAX ^{(3) (4)}		
	VOLTAGE		60 V AC (5)		CURR	CURRENT			0.5A ⁽⁵⁾		
	APPLICABLE C	ABLE FFC (6)									
SPECIFICATIONS											
ΙΤ	EM	TEST METHOD								ОТ	АТ
CONSTRUCTION		1 1201 1112				1,12,322					1
		VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.					×
MARKING		CONFIRMED VISUALLY.									×
ELECTRIC CHARAC											
CONTACT RESISTANCE		20 mV MAX, 1 mA(DC OR 1000Hz)				80 mΩ MAX. ⁽⁷⁾				×	
INSULATION RESISTANCE		100 V DC.				500 MΩ MIN.				×	
VOLTAGE PROOF		200 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				×	
	ICAL CHAR										
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE: 20.5 N MAX. WITHDRAWAL FORCE: 2.05 N MIN.					
MECHANICAL		50 TIMES INSERTIONS AND EXTRACTIONS.			3 .	① CONTACT RESISTANCE:				×	1
OPERATION						NO VARIATION OF 20 mΩ OR MORE FROM INITIAL VALUE. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS					
VIBRATION		FREQUENCY 10 TO 55 Hz,				OF PARTS. ① NO ELECTRICAL DISCONTINUITY OF				×	
		SINGL AMPLITUDE : 0.75 mm,				1 μs.					
		AT 2 h FOR 3 DIRECTION.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.								×	
LOCK STRENGTH		MATE TO APPLICABLE CONNECTOR AND APPLY PULL FORCE HORIZONTALLY.			PPLY	30 N MIN.				×	
FFC RETENTION FORCE		ASSEMBLE APPLICABLE FFC AND PULL HORIZONTALLY WITH 10mm/min IN MATING DIRECTION.			à	10 N MIN. ⁽⁶⁾				×	
ENVIRON	IMENTAL C	HARAC	TERISTICS								
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.			① CONTACT RESISTANCE: NO VARIATION OF 20 mΩ OR MORE				×		
DRY HEAT		EXPOSED AT 85±2 °C, 96 h				FROM INITIAL VALUE.					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE $-55 \rightarrow +5 \sim +35 \rightarrow +85 \rightarrow +5 \sim +35 \circ C$ TIME $30 \rightarrow 5 \text{ MAX} \rightarrow 30 \rightarrow 5 \text{ MAX min.}$ UNDER 5 CYCLES.			OF PARTS. OR						
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h			48 h.	① CONTACT RESISTANCE:					
SULFUR DIOXIDE		EXPOSED IN 25 PPM FOR 96 h. (TEST STANDARD: JIS C 60068)				NO VARIATION OF 20 mΩ OR MORE FROM INITIAL VALUE. ② NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR.				×	
			<u> </u>								
COUN	NT DI	ESCRIPTI	ON OF REVISIONS		DESIG	NED	NED		CHECKED	DATE	
<u> </u>											
REMARKS (1) INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING (2) OPERATING TEMPERATURE SHOULD BE -55 TO 40 °C WHEN HUMII (3) THE SPECIFICATION IS APPLIED TO THE PRE-ASSEMBLED COMPON					TY EXCEEDS 80%		APPRO\	/ED	HS. OKAWA	09. 11. 24	
(4)	ASSEMBLED PRO	DUCT BOTH IN DELIVERY AND STORAGE, BEFORE ASSEMBLED TO			РСВ.	CHECK	ED	D HT. YAMAGUCHI		09. 11. 20	
(6)	ONLY FFC THAT F				CABLE.	DESIGN	IED	AH. EDASHIGE	09. 1	1. 20	
Unless of	therwise spe	ecified, ı	fied, refer to JIS-C-5402.			DRAWN		/N	AH. EDASHIGE		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DF	RAWIN	IG NO.	G NO. ELC4-327149-			
HS.	SI	SPECIFICATION SHEET			PART NO.			FX16M2-41P-HC			
	HIR	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL575-3262-7-00 🛕 1/1				1/1