CON GENE MARK ELE	TING	TEMPERATUR VOLTAGE CURRENT	U.	50 V AC			-	RERANGE R STORAGE	· ·			
GENE MARK ELE				SUV AC	/ DC	-	ating o ITY RANG		-10 °C TO 50 °C (PACKED) RELATIVE HUMIDITY 90 % MAX(EWED	
GENE MARK ELE									t=0.3±0.03mm, GOL	ידא וס ח		
GENE MARK ELE		CONNENT			ECIFIC				1=0.3±0.03mm, 00L			
GENE MARK ELE		EM		TEST METHO				DEC	QUIREMENTS	QT		
GENE MARK ELE				TEST METHO	ענ			REG	JUIREMENTS	QI	A	
MARK ELE VOLT	-		VISUALLY	AND BY MEASURING	G INSTRUM	IENT.	ACCO	RDING TO I	DRAWING.	×	×	
VOLT				ED VISUALLY.						×	×	
VOLT	CTR	ICAL CHA		RISTICS								
		ROOF		FOR 1 min.			NO FL/	ASHOVER	OR BREAKDOWN.	×	×	
			100 V DC.				500 MΩ MIN.			×	×	
			AC/DC 20 mV MAX (AC:1 KHz) , 1 mA .				100 m	2 MAX.		×	×	
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)			Ξ			
MEC	CHAN	ICAL CHA	RACTE	RISTICS			,	,				
	ATION		FREQUENC	CY 10 TO 55 Hz, HALF AM			1) NO	ELECTRIC	AL DISCONTINUITY OF	×	Τ-	
	אר		,	OR 10 CYCLES IN 3 AXIA		I S.	1 μs.				+	
SHOCK			981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				 (2) CONTACT RESISTANCE: 100 mΩ MAX. (3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				-	
MECHANICAL OPERATION			20 TIMES INSERTIONS AND EXTRACTIONS.				 CONTACT RESISTANCE: 100 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS 				-	
			MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.30mm				OF PARTS. DIRECTION OF INSERTION :				_	
-PC F								CONTACT		×	_	
			ÀT INITIA	CONDITION.)			0.2N	× NUMBER	OF CONTACTS MIN.			
									TACT) R OF CONTACTS MIN.			
							(<i>not</i> e		COF CONTACTS MIN.			
ENV	/IROI	NMENTAL	CHARA	CTERISTICS								
CORROSION SALT MIST			EXPOSED AT 35 \pm 2 $^{\circ}$ C , 5 $\%$ SALT WATER SPRAY FOR 96 h.			 CONTACT RESISTANCE: 100 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. NO EVIDENCE OF CORROSION WHICH 			SS	-		
							AFF		OPERATION OF	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
RAPID CHANGE OF			TEMPERATURE-55→+15TO+35→								-	
ICIVIP	PERATI	UKE	TIME $105 \rightarrow +15 \text{ To } +35^{\circ}\text{C} / 2$ $30 \rightarrow 2 \text{ To } 3 \rightarrow 30 \rightarrow 2 \text{ To } 3 \text{ min}$				 ② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS 					
			UNDER 5		JU - 21			PARTS.	E. S. GILLAND LOODENL			
				O AT 40±2 ℃,						×	-	
`	ADY ST			<u>E HUMIDITY 90 TO 95</u> D AT -10 TO +65 °C,	%, 96 h.				SISTANCE: 100 mΩ M	AX. X	-	
			RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY)			IN.			
						③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY)						
							OF	DAMAGE, PARTS.	CRACK AND LOOSENE			
	COUN	T DE		N OF REVISIONS		DESIG			CHECKED		ATE	
<u>A</u>	3		DIS-F	-00005614		SE. YOKO	DYAMA		HS. HIRAHARA		20200611	
REMARK		compliant.				APPROVED				3112		
This product is RoHS					CHECKED				3112			
•								DESIGNE			3112	
Unless otherwise specifi											3112	
						DF PART	RAWING NO. ELC4–15971 Γ NO. FH34SRJ–*S–0. 5SH (
	र											

SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	QT	AT			
DRY HEAT	EXPOSED AT 105±2 ℃, 96 h. 🖄	$ \textcircled{1} \textbf{CONTACT RESISTANCE:} 100 \text{ m}\Omega \text{ MAX.} $	×	—			
COLD	EXPOSED AT -55±3°C, 96 h.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-			
SULPHUR DIOXIDE [JIS C 60068-2-42]	EXPOSED AT 40±2 ℃, RELATIVE HUMIDITY 80±5% 25±5 ppm FOR 96 h.	 CONTACT RESISTANCE: 100 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 	×	-			
	EXPOSED AT 40 ± 2 ℃ , RELATIVE HUMIDITY 80 ± 5% , 10 TO 15 ppm FOR 96 h.	③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.	×	-			
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 235±5°C FOR IMMERSION DURATION, 2±0.5 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	-			
RESISTANCE TO SOLDERING HEAT	 1) REFLOW SOLDERING : PEAK TMP. 250 °C MAX . REFLOW TMP. OVER 230 °C WITHIN 60 sec. 2) SOLDERING IRONS : TMP. 350 ± 10 °C FOR 5±1 sec . 	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_			

(note1)

FASTEN FPC ON PCB OR SOMETHING FIXED IF FORCE IN VERTICAL DIRECTION SHALL BE PREDICTED. DO NOT CLOSE THE ACTUATOR BEFORE INSERTING FPC EVEN AFTER THE CONNECTOR IS MOUNTED ONTO A PCB. CLOSING THE ACTUATOR WITHOUT FPC COULD MAKE THE CONTACT GAP SMALLER, WHICH INCREASES THE FPC INSERTION FORCE.

THIS CONNECTOR HAS CONTACTS ON THE BOTH TOP AND BOTTOM.

THERE'S A CASE WHICH FPC/FFC RETENTION FORCE DOESN'T FULFILL THE VALUE, BECAUSE FPC SPECIFICATION AFFECTS THE RESULT OF FPC/FFC RETENTION FORCE.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC4-159714-04		
HRS	SPECIFICATION SHEET	PART NO.	FH34SRJ-*S-0. 5SH(50)			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	◬	2/2