		DARD - RANGE -55 °C TO 105 °C STOR		RAGE PERATURE RANGE		-10	-10 °C TO 50 °C (PACKED CONDITION)					
RATING	TEMPERATURE RANGE VOLTAGE CURRENT		50 V AC / DC				NG OR STORAGE		RELATIVE HUMIDITY 90 % MAX (M		,	
			0.5 A			ICABLE (t_(0.3±0.03mm, GOLD		NG	
	CORRENT		SPEC					(LATI	NO	
	TEM		TEST METHOD				DEC	ם חוו חב	MENTS	QT	AT	
			TEST METHOD				REU	JUIKE	IMENTS	QI	A	
			AND BY MEASURING I	NSTRUM	ENT.	ACCO	RDING TO	DRAV	VING.	×	×	
MARKING			IED VISUALLY.						-	×	×	
FI ECTR	ICAL CHA		RISTICS									
VOLTAGE		250 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.			×	×		
INSULATION		100 V DC.			500 MΩ MIN.			×	×			
		AC/DC 20 mV MAX (AC:1 KHz) , 1 mA .			100 m(~			
CONTACT RESISTANCE					100 mΩ MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)			×	×			
MECHAI	NICAL CHA		RISTICS				/					
VIBRATION		FREQUEN	CY 10 TO 55 Hz, HALF AMPL			1) NO	ELECTRIC	AL DI	SCONTINUITY OF	×	-	
		0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				1 μs.					_	
SHOCK		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			 CONTACT RESISTANCE: 100 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				-			
MECHANIC OPERATIO		20 TIMES INSERTIONS AND EXTRACTIONS.			 CONTACT RESISTANCE: 100 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS 				-			
FPC RETE		MEASURED BY APPLICABLE FPC.				OF PARTS. DIRECTION OF INSERTION :			×			
II O KETEI		(THICKNESS OF FPC SHALL BE t=0.30mm					CONTAC			~		
		AT INITIA	L CONDITION.)						CONTACTS MIN.			
						•) CONTACTS MIN.			
						(note						
ENVIRO	NMENTAL	CHARA	CTERISTICS			•						
CORROSION SALT MIST		EXPOSED AT 35±2 °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 				_			
							ECTS TO (NNECTOR.		ATION OF			
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-55→+15TO+35→			1) CONTACT RESISTANCE: 100 m Ω MAX. 2) INSULATION RESISTANCE: 50 M Ω MIN.				×	-		
	UNL	TIME $105 \rightarrow +15 \text{ to } +35^{\circ}\text{C} / 2$ $30 \rightarrow 2 \text{ to } 3 \rightarrow 30 \rightarrow 2 \text{ to } 3 \text{ min}$			 3 NO DAMAGE, CRACK AND LOOSENESS 							
		UNDER 5	CYCLES.				PARTS.	-				
DAMP HEA (STEADY S				06 6	_					×	-	
DAMP HEA	,		E HUMIDITY 90 TO 95 %, D AT -10 TO +65 °C,	, ๖๐ ก.		 CO 	NTACT RE	SISTA	NCE: 100 mΩ MAX	×	-	
2/1111 112/11,010210		RELATI	RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			 ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS 						
COUN			N OF REVISIONS		DESIC	OF	PARTS.	_				
2 3				+		GNED CHECKED		20200611				
REMARK		-61U	DIS-F-00005614		SE. YOK				HS. HIRAHARA			
							CHECKEI		MO. ISHIDA HS. SAKAMOTO	2013		
This prod	uct is RoHS	compliant.			DESIGNED			HS. SAKAMUTU YS. EBI		20131129		
Unless of	herwise spe	cified, refer to IEC 60512.					DESIGNE		NM. SANPEI	2013		
	•							ELC4–159714				
					PART							
		HIROSE ELECTRIC CO., LTD.			CODE	NO		CI	CL580		1/2	
					CODE NO.					Δ	.,,	

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		
IRS	SPECIFICATION SHEET	PART NO.	FH34SRJ-*S-0. 5SH(50)			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	⊿	2/2