APPLICA	BLE STAN	DARD								
OPERATING		-55 °C TO 105	5°C /\	STOR		1 = 10.90° 10.50°90°00000000000000000000000000000000				ШОИ
RATING	VOLTAGE	50 V AC / I		OPER/	TEMPERATURE RANG OPERATING OR STO		_	RELATIVE HUMIDITY 90 % MAX (NOT DEWI		
					ICABLE (
CURRENT 0.5 A				t=0.3±0.03mm, GOLD PL				PLATI	NG	
SPECIFICATIONS										
IT	EM	TEST METHOD)			RE	QUIREMENT	'S	QT	AT
	RUCTION									
GENERAL E	XAMINATION	VISUALLY AND BY MEASURING	INSTRUM	ENT.	ACCO	RDING TO	DRAWING.		×	×
MARKING		CONFIRMED VISUALLY.								×
ELECTR	ICAL CHAP	RACTERISTICS	TERISTICS							
VOLTAGE PROOF		250 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				×	×
INSULATION RESISTANCE		100 V DC.			500 Mg	00 MΩ MIN.				×
CONTACT F	RESISTANCE	AC/DC 20 mV MAX (AC:1 KHz) , 1 mA .			100 mg	Ω MAX.			×	×
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				
MECHAN	IICAL CHA	RACTERISTICS								
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE				① NO ELECTRICAL DISCONTINUITY OF				_
SHOCK		0.75 mm, FOR 10 CYCLES IN 3 AXIAL I 981 m/s ² , DURATION OF PULSI		S.	1 με		CICTANCE.	100 m 0 M A	/ -	
SHOCK		AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			 CONTACT RESISTANCE: 100 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 					
MECHANICAL		20 TIMES INSERTIONS AND EXT	RACTION	S.	① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX.				(. ×	_
OPERATION					② NO DAMAGE, CRACK AND LOOSENESS				S	
FPC RETEN	ITION FORCE	MEASURED BY APPLICABLE FPC.			OF PARTS. DIRECTION OF INSERTION:				×	
I O KETEK	THORT OROL	(THICKNESS OF FPC SHALL BE t=0.30mm			(TOP CONTACT)				^	_
	AT INITIAL CONDITION.)				0.2N × NUMBER OF CONTACTS MIN.					
					(BOTTOM CONTACT) 0.3N × NUMBER OF CONTACTS MIN.					
					(<i>not</i> e	_	R OF CONTA	ACTS MIN.		
ENVIRO	VMENTAL	CHARACTERISTICS			(1100)	,				1
		EXPOSED AT 35±2 °C , 5 % SA	LT WATE	R	① CONTACT RESISTANCE: 100 mΩ MAX.				(. x	Τ_
		SPRAY FOR 96 h.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
					③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF					
						CONNECTOR.				
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-55→+15TO+35→+85→+15TO+35°C								_
		TIME $30 \rightarrow 2 \text{ To } 3 \rightarrow 30 \rightarrow 2 \text{ To } 3 \text{ min}$ UNDER 5 CYCLES.				② INSULATION RESISTANCE: 50 MΩ MIN.				
DAMP HEAT	Г	EXPOSED AT 40±2 °C,			-1	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				+_
(STEADY STATE)		RELATIVE HUMIDITY 90 TO 95 %, 96 h.								
DAMP HEAT,CYCLIC		EXPOSED AT -10 TO +65 °C,			① CONTACT RESISTANCE: 100 mΩ MAX.					-
		RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			 INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) INSULATION RESISTANCE: 50 MΩ MIN. 					
						(AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
COUN	T DE	SCRIPTION OF REVISIONS		DESIG			CHEC	CKED	DA	ATE
1		DIS-F-00000511		YH. MIC	HIDA		YN. TAK	ASHITA	15. (07. 29
REMARK					APPROVED MO. ISHIDA				11. 29	
						_	11. 29			
This product is RoHS compliant.				DESIGNE		/S. EBI		11. 28		
Unless otherwise specified, refer to IEC 60512.				DRAWN		. SANPEI	1	11. 28		
			RAWING NO. ELC4-159714-							
HS		PECIFICATION SHEET PART		г NO. FH34SRJ-*S-0. 5SH (5						
11.72		HIROSE ELECTRIC CO., LTD. CODE			NO.	NO. CL580			Λ	1/2
FORM HD0011	<u> </u>					1				•

SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ			
DRY HEAT	EXPOSED AT 85±2 °C, 96 h.	① CONTACT RESISTANCE: 100 mΩ MAX.	×	_			
COLD	EXPOSED AT -55±3°C, 96 h.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	_			
	EXPOSED AT 40±2 °C , 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 °C , 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.

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