		OPERATING		-55 °C TO 10	TO 105 °C	STOR			-10 °C TO 50 °C (PACKED 0		
RA	TING	TEMPERATURE RANGE		50 V AC / D		OPER/	PERATURE RANGE ATING OR STORAGE DITY RANGE		,		
		CURRENT		0	.5 A				t=0.3±0.03mm, GOLD F		NG
		CONNENT									NO
		EM	1	TEST M				BEO	UIREMENTS	QT	AT
CO				TESTIM	ETHOD			REQ	UIREMENTS	QI	A
			VISUALLY	AND BY MEAS	JRING INSTRU	MENT.	ACCOR	DING TO D	DRAWING.	×	×
	KING			D VISUALLY.						×	×
ELE	CTR	ICAL CHA	RACTER	ISTICS							
	TAGE F		250 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	×	
	JLATIOI ISTANC		100 V DC.				500 MΩ	MIN.		×	×
CON	ITACT F	RESISTANCE	AC/DC 20 mV MAX (AC:1 KHz) , 1 mA .				100 mΩ	MAX.		×	×
							INCLUD (L=8mm)	ING FPC,F	FC BULK RESISTANCE		
ME	CHAN	ICAL CHA	RACTER	RISTICS							
VIBR	RATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE				-		AL DISCONTINUITY OF	×	-
SHO	CK			R 10 CYCLES IN 3		ONS.	1 μs.				_
			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. 			×	-	
-	HANIC		20 TIMES INSERTIONS AND EXTRACTIONS.			 CONTACT RESISTANCE: 100 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS 			×	-	
							OF PARTS.				
FPC	RETEN	TION FORCE	MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.30mm				DIRECTION OF INSERTION : (TOP CONTACT)			×	-
			AT INITIAL CONDITION.)						OF CONTACTS MIN.		
							`		,		
							0.3N×NUMBER OF CONTACTS MIN. (<i>note 1</i>)				
EN	VIRO	MENTAL	CHARAC	TERISTIC	3		,	,			1
		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 CORPORTION WILLIGHT 			×			
							③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.				
	-	NGE OF	TEMPERATURE-55→+15TO+35→ ∧				(1) CONTACT RESISTANCE: 100 m Ω MAX.			×	-
TEMPERATURE		UKE	+105 \rightarrow +15T0+35°C /2 TIME 30 \rightarrow 2 TO 3 \rightarrow 30 \rightarrow 2 TO 3 min				 ② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS 				
			UNDER 5 ($0.0 \rightarrow 30 \rightarrow 2$	- 10 3 11111		ARTS.	DIVHOU AND LOOGEINE 33		
		-									-
DAM	IP HEAT			AT 40±2 °C,						×	
DAM (STE	ADY S	ΓΑΤΕ)	RELATIVE	HUMIDITY 90 T					ISTANCE: 100 mO MAY		_
DAM (STE	ADY S		RELATIVE EXPOSED RELATIVE	,	°C,		② INSL (A ⁻)	JLATION R T HIGH	SISTANCE: 100 mΩ MAX. ESISTANCE: 1 MΩ MIN. HUMIDITY)	××	-
DAM (STE	ADY S	ΓΑΤΕ)	RELATIVE EXPOSED RELATIVE	HUMIDITY 90 1 AT -10 TO +65 HUMIDITY 90	°C,		 2 INSL (A⁻ 3 INSL (A⁻ 	JLATION R T HIGH JLATION R T DRY)	ESISTANCE: 1 MΩ MIN. HUMIDITY) ESISTANCE: 50 MΩ MIN.		-
DAM (STE	ADY S	TATE) T,CYCLIC	RELATIVE EXPOSED RELATIVE 10 CYCLES	HUMIDITY 90 1 AT -10 TO +65 HUMIDITY 90 S,TOTAL 240 h.	°C, TO 96 %,		 2 INSL (A⁻ 3 INSL (A⁻ <l< td=""><td>JLATION R T HIGH JLATION R T DRY)</td><td>ESISTANCE: 1 MΩ MIN. HUMIDITY) ESISTANCE: 50 MΩ MIN. CRACK AND LOOSENESS</td><td>×</td><td>-</td></l<>	JLATION R T HIGH JLATION R T DRY)	ESISTANCE: 1 MΩ MIN. HUMIDITY) ESISTANCE: 50 MΩ MIN. CRACK AND LOOSENESS	×	-
DAM (STE DAM	ADY S	TATE) T,CYCLIC	RELATIVE EXPOSED RELATIVE 10 CYCLES	HUMIDITY 90 T AT -10 TO +65 HUMIDITY 90 S,TOTAL 240 h.	°C, TO 96 %,	DESIG	 2 INSL (A' 3 INSL (A' (A'<	JLATION R T HIGH JLATION R T DRY) DAMAGE, (ESISTANCE: 1 MΩ MIN. HUMIDITY) ESISTANCE: 50 MΩ MIN. CRACK AND LOOSENESS CHECKED	DA	
DAM (STE DAM	ADY S P HEA COUN	TATE) T,CYCLIC	RELATIVE EXPOSED RELATIVE 10 CYCLES	HUMIDITY 90 1 AT -10 TO +65 HUMIDITY 90 S,TOTAL 240 h.	°C, TO 96 %,	DESIG SE. YOK	 2 INSL (A' 3 INSL (A' 4 NO E OF P NED DYAMA 	JLATION R T HIGH JLATION R T DRY) DAMAGE, (ARTS.	ESISTANCE: 1 MΩ MIN. HUMIDITY) ESISTANCE: 50 MΩ MIN. CRACK AND LOOSENESS CHECKED HS. HIRAHARA	DA 2020	061
DAM (STE DAM	ADY S	TATE) T,CYCLIC	RELATIVE EXPOSED RELATIVE 10 CYCLES	HUMIDITY 90 T AT -10 TO +65 HUMIDITY 90 S,TOTAL 240 h.	°C, TO 96 %,		 2 INSL (A' 3 INSL (A' 4 NO E OF P NED DYAMA 	JLATION R T HIGH JLATION R T DRY) DAMAGE, (ARTS.	ESISTANCE: 1 MΩ MIN. HUMIDITY) ESISTANCE: 50 MΩ MIN. CRACK AND LOOSENESS CHECKED HS. HIRAHARA D MO. ISHIDA	DA 2020	061 012
DAM (STE DAM	COUN 3 IARK	TATE) T,CYCLIC	RELATIVE EXPOSED RELATIVE 10 CYCLES SCRIPTION DIS-F-	HUMIDITY 90 1 AT -10 TO +65 HUMIDITY 90 S,TOTAL 240 h. OF REVISION	°C, TO 96 %,		 2 INSL (A⁻ 3 INSL (A⁻ 4 NO E OF P NED DYAMA 	ULATION R T HIGH JLATION R T DRY) DAMAGE, (ARTS.	ESISTANCE: 1 MΩ MIN. HUMIDITY) ESISTANCE: 50 MΩ MIN. CRACK AND LOOSENESS CHECKED HS. HIRAHARA D MO. ISHIDA HS. SAKAMOTO	DA 2020 2014 2014	0061 012 012
DAM (STE DAM REN This	COUN 3 MARK 5 produ	TATE) T,CYCLIC T DE	RELATIVE EXPOSED RELATIVE 10 CYCLES SCRIPTION DIS-F-	HUMIDITY 90 1 AT -10 TO +65 HUMIDITY 90 S,TOTAL 240 h. OF REVISION	°C, TO 96 %, S		 2 INSL (A⁻ 3 INSL (A⁻ 4 NO E OF P NED DYAMA 	ULATION R T HIGH ULATION R T DRY) DAMAGE, (ARTS.	ESISTANCE: 1 MΩ MIN. HUMIDITY) ESISTANCE: 50 MΩ MIN. CRACK AND LOOSENESS CHECKED HS. HIRAHARA D M0. ISHIDA HS. SAKAMOTO D YS. EBI	DA 2020 2014 2014	061 012 012
DAM (STE DAM DAM REN This Unle	COUN 3 MARK s produ	TATE) T,CYCLIC	RELATIVE EXPOSED RELATIVE 10 CYCLES SCRIPTION DIS-F- compliant cified, refe	HUMIDITY 90 1 AT -10 TO +65 HUMIDITY 90 S,TOTAL 240 h. OF REVISION 00005614	°C, TO 96 %, S	SE. YOKO	 2 INSL (A² 3 INSL (A 4 NO E OF P NED DYAMA 	ULATION R T HIGH JLATION R T DRY) DAMAGE, (ARTS. APPROVEI CHECKED DESIGNEI DRAWN	ESISTANCE: 1 MΩ MIN. HUMIDITY) ESISTANCE: 50 MΩ MIN. CRACK AND LOOSENESS CHECKED HS. HIRAHARA D MO. ISHIDA D HS. SAKAMOTO D YS. EBI NM. SANPEI	DA 2020 2014 2014 2014 2014	0061 1012 1012 1012
DAM (STE DAM REM This Unle	COUN 3 MARK s produ	TATE) T,CYCLIC T DE uct is RoHS herwise sper ualification Tes	RELATIVE EXPOSED RELATIVE 10 CYCLES SCRIPTION DIS-F- compliant cified, refe	HUMIDITY 90 1 AT -10 TO +65 HUMIDITY 90 S,TOTAL 240 h. OF REVISION	°C, TO 96 %, S 2. plicable Test	SE. YOKO	2 INSL (A' 3 INSL (A' 4 NO E OF P NED DYAMA	JLATION R T HIGH JLATION R T DRY) DAMAGE, (ARTS. APPROVEI CHECKED DESIGNEL DRAWN G NO.	ESISTANCE: 1 MΩ MIN. HUMIDITY) ESISTANCE: 50 MΩ MIN. CRACK AND LOOSENESS CHECKED HS. HIRAHARA D M0. ISHIDA HS. SAKAMOTO D YS. EBI	DA 20200 2014 2014 2014 2014 2014 2014	0061 1012 1012 1012

SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	QT	AT			
DRY HEAT	EXPOSED AT 105±2 ℃, 96 h. 2	(1) CONTACT RESISTANCE: 100 m Ω 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.	ELC4-159714-05		
HRS	SPECIFICATION SHEET	PART NO.	FH34SRJ-*S-0. 5SH (99)			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	◬	2/2