APPLICA	BLE STAN	DARD												
OPERATING TEMPERATURE RANGE			-55 °C	то	85 °C	I EWIFERATURE RAI			-10 °C TO 50 °C (PACKED CONDITIO			ON)		
RATING	VOLTAGE		60 // // // // //			OPERATING OR STORA HUMIDITY RANGE		RELATIVE HUMIDITY 90 % MAX (NOT DEV			/ED)			
	CURRENT		0.5 A			APPLICA	APPLICABLE CABLE			t=0.3 $\pm$ 0.05mm, GOLD PLATING.(4 $\sim$ 30=0.3 $\pm$ 0.03mm, GOLD PLATING.(OVER 3				
			•		SPE	CIFIC	OITA	NS						
IT	EM				/ETHOD			<u> </u>		REQU	IREMENTS	QT	АТ	
CONSTR						<u> </u>			<u> </u>	· · · · · ·		Ψ.	, , ,	
	XAMINATION	VISUALL	Y AND BY	MEAS	SURING	INSTRUM	IENT.	ACCC	ORDING '	TO DR	AWING.	×	×	
MARKING		CONFIRI	MED VISUALLY.				-				×	×		
ELECTRI	CAL CHA	RACTE	RISTIC	S										
VOLTAGE P			C FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				×	×		
INSULATION	J	100 V DC.					500 MΩ MIN.				×	×		
RESISTANC														
CONTACT R	ESISTANCE	AC 20 mV MAX ( 1 KHz ) , 1 mA .				50 mg	Ω MAX.			×	×			
									PC,FF	C BULK RESISTANCE				
	IICAL CHA	DACTI	EDIOTIOO				(L=8mm)					1		
VIBRATION	IICAL CHA				5 U-7 U N	I E AMDI	ITLIDE	① N/	O EL ECT	DICAL	DISCONTINUITY OF			
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, - m/s <sup>2</sup> FOR 10 CYCLES IN				1 NO ELECTRICAL DISCONTINUITY OF 1 us.				×	_			
		3 AXIAL DIRECTIONS.						② CONTACT RESISTANCE: 50 mΩ MAX.						
SHOCK		981 m/s <sup>2</sup> , DURATION OF PULSE 6 ms						③ NO DAMAGE, CRACK AND LOOSENESS			×	_		
			T 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.  TIMES INSERTIONS AND EXTRACTIONS.						OF PARTS.  ① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.					
OPERATION	ZU TIIVIL	TINILO INOLITTONO AND EXTRACTIONO.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×					
			MEASURED BY APPLICABLE FPC. THICKNESS OF FPC SHALL BE t=0.30mm				DIRECTION OF INSERTION: 0.3N×n MIN.(4~30 POS.)			×	-			
			AL CONDI					0.2	N×n MIN	I.(OVE	R 31 POS.) (note 1)			
	MENTAL													
		EXPOSED AT 35±2 °C , 5 % SALT WATER SPRAY FOR 96 h.				<ol> <li>CONTACT RESISTANCE: 100 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>			×	_				
							③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.							
			TEMPERATURE-55→+15TO+35→+85→+15TO+35°C				<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>INSULATION RESISTANCE: 50 MΩ MIN.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>				×	_		
TEMPERATURE		TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3$ min UNDER 5 CYCLES.												
DAMP HEAT	•	EXPOSE		0±2°(	D.			01	T AICTO	•		×	_	
(STEADY ST			/E HUMID	ITY	90 TO 9		6 h.							
DAMP HEAT,CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.				① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY)			×	_				
							$\c 3$ INSULATION RESISTANCE: 50 M $\Omega$ MIN.							
						4 NO	(AT DRY)  4 NO DAMAGE, CRACK AND LOOSENESS OF PARTS.							
COUN	T DE	SCRIPTION	ON OF RE	VISION	NS		DESIG	NED			CHECKED	DA	TE	
۵														
REMARK						1			APPRO	OVED	NF. MIYAZAKI	16.0	8. 31	
							CHECKED		KED	YH. MICHIDA	16. 08. 3			
							DESIGNED KN. KOBAYASHI			16. 08. 31				
Unless otherwise specified, refer to IEC 60512.						DRA	WN	RK. OGASAWARA	16.0	8. 31				
Note QT:Qualification Test AT:Assurance Test X:				est X:A	pplicable	le Test DR/			AWING NO. ELC		ELC-156169-9	156169-99-00		
Л\			CATION SHEET			PART	RT NO. F			H33-**S-0. 5SH (99)				
			LECTRIC CO., LTD.			CODE	CODE NO.		CL580			1/2		

SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ					
DRY HEAT	EXPOSED AT 85±2 °C, 96 h.	① CONTACT RESISTANCE: 50 mΩ 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 °C , RELATIVE HUMIDITY 80±5% 25±5 ppm FOR 96 h.	<ol> <li>CONTACT RESISTANCE: 100 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>	×						
HYDROGEN SULPHIDE [JIS C 60068-2-43]	EXPOSED AT $40\pm2$ °C , RELATIVE HUMIDITY 80 $\pm5\%$ , 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.	×	1					

## (note1)

THIS PRODUCT HAS FLIP-LOCK CONSTRUCTION. FASTEN FPC ON PCB OR SOMETHING FIXED IF FORCE IN VERTICAL DIRECTION SHALL BE PREDICTED.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-156169-99-00			
HS.	SPECIFICATION SHEET	PART NO.	FH	FH33-**S-0. 5SH (99)			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2	