APPLICA	BLE STAN	DARD											
	OPERATING TEMPERATUR	RE RANGE	ANGE -55 °C TO 85 °C		STORAGE TEMPERATURE RAN						ON)		
RATING	VOLTAGE		50 V	AC / I	DC		PERATING OR STO JMIDITY RANGE		RELATIVE HUMIDITY 90 % MAX (NOT DE		WED)		
	CURRENT		0.5 A		APPLICABLE CABLE			t=0.3±0.05mm, GOLD PLATING.(4~3				,	
	SPECIFICATIO			۸٦١٨١	t=0.3±0.03mm, GOLD PLATING.(OVER 31 F				OS.)				
IT	EM	1		TEST ME			ATIO			DEOLI	IREMENTS	QT	АТ
CONSTR				IEST WE	THOD	<u> </u>				KEQU	IKEWENTS	ŲΙ	AI
GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING.							×	×					
			NFIRMED VISUALLY.				1				×	×	
ELECTR	ICAL CHA	RACTE	RISTICS										
VOLTAGE P	ROOF	150 V AC FOR 1 min.					NO FLASHOVER OR BREAKDOWN.				×	×	
INSULATION		100 V DC.					500 MΩ MIN.				×	×	
RESISTANCE		100 20 m)/ MAY / 4 / 1 m A				50	0.1447						
CONTACT	(ESISTAINCE	AC 20 mV MAX (1 KHz), 1 mA.					Ω ΜΑΧ.		0.0000000000000000000000000000000000000	×	×		
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)							
MECHAN	IICAL CHA	RACTE	RISTIC	2S				(L-OIII	1111/				
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE					① NO ELECTRICAL DISCONTINUITY OF				×	_	
			0.75 mm, - m/s ² FOR 10 CYCLES IN					1 μs.					
SHOCK		3 AXIAL DIRECTIONS.					② CONTACT RESISTANCE: 50 mΩ MAX.						
OHOOK		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	_	
MECHANIC		20 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				×	_		
OPERATION							② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.						
			MEASURED BY APPLICABLE FPC.							NSERTION :	×	_	
		,	THICKNESS OF FPC SHALL BE t=0.30mm AT INITIAL CONDITION.)					$N \times n MIN$	*	D POS.) ER 31 POS.) (note 1)			
FNVIROI	NMENTAL				3			0.2	I A A II IVIII	4.(OVL	(note 1)		
	N SALT MIST		EXPOSED AT 35±2 °C , 5 % SALT WATER				① CONTACT RESISTANCE: 100 mΩ MAX.				×	_	
		SPRAY FOR 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS. NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.							
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-55 \rightarrow +15To+35 \rightarrow +85 \rightarrow +15To+35°C TIME 30 \rightarrow 2 To 3 \rightarrow 30 \rightarrow 2 To 3					 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 50 MΩ MIN. 				×	_	
I EIVIII EI O	0112	min UNDER 5 CYCLES.					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.						
			(POSED AT 40±2 °C, ELATIVE HUMIDITY 90 TO 95 %, 96 h.								×	_	
DAMP HEAT		RELATIVE HUMIDITY 90 TO 95 %, 96 h. EXPOSED AT -10 TO +65 °C,					① CONTACT RESISTANCE: 50 mΩ MAX.				×	_	
			RELATIVE HUMIDITY 90 TO 96 %,					_	② INSULATION RESISTANCE: 1 M Ω MIN.				
		10 CYCLES,TOTAL 240 h.				(AT HIGH HUMIDITY)							
								③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY)					
							④ NO DAMAGE, CRACK AND LOOSENESS						
00.00			<u> </u>				55010		PARTS.	I	011501750		
COUN	ı Di	SCRIPTIO	ON OF RE	VISIONS)		DESIG	NED			CHECKED	DΑ	TE
& REMARK									4555)./==	NE WY	40.5	0.0:
NEWAKK						APPROVED CHECKED DESIGNED			NF. MIYAZAKI	16. 08. 3 16. 08. 3 16. 08. 3			
		YH. MICHIDA KN. KOBAYASHI											
Unless otherwise specified, refer to				er to IEC 60512				DRAWN			RK. OGASAWARA		
Unless otherwise specified, refer to IEC 60512.				Tari									
							RAWING NO.		En	ELC-156169-99-00			
KS					ATION SHEET		PART NO.			FH33-**S-0. 5SH (99)			1/0
	пік	USE EI	LECTRIC CO., LTD.		CODE NO.			CL580 Z			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.	 CONTACT RESISTANCE: 100 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 	×	-				
HYDROGEN SULPHIDE [JIS C 60068-2-43]	EXPOSED AT 40 ± 2 °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.	×	-				

(note1)

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

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