APPLICA	BLE STAN	DARD									
	OPERATING TEMPERATUR	E RANGE	-55 °C TO 85 STORAGE TEMPERATURE RANG					TON)			
RATING	VOLTAGE		50 V AC / DC	OPERATING OR STO HUMIDITY RANGE		RAGE	RELATIVE HUMIDITY 90 % MAX (NOT DEV			WED)	
	CUPPENT		0.5 A APPLICABLE		E CABLE		t=0.3±	0.05n	nm, GOLD PLATING.(4~3	80 POS	5.)
CURRENT			0.5 A			t=0.3±0.03mm, GOLD PLATING.(OVER				31 P	OS.)
				CIFIC	IOITA	<u>VS</u>					
	EM		TEST METHOD)			F	REQU	IREMENTS	QT	AT
	RUCTION	VISUALI	Y AND BY MEASURING I	NSTRUME	=NT	IACCO	RDING T	O DR	AWING	Τ×	Ι×
GENERAL EXAMINATION VISUALL' MARKING CONFIRM			MED VISUALLY.			The server is a provider				^	×
ELECTR	IC CHARA	CTERIS	STICS							1 **	1
VOLTAGE P			FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	×	
INSULATION 1 RESISTANCE		100 V DC	100 V DC.			500 MΩ MIN.			×	×	
		AC 20 mV MAX (1 KHz), 1 mA.			50 mΩ MAX.				×	×	
					INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)						
	NICAL CHA										•
			FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, — m/s² FOR 10 CYCLES IN			① NO ELECTRICAL DISCONTINUITY OF 1			×	$\left - \right $	
		3 DIRECTIONS.				μs. ② CONTACT RESISTANCE: 50 mΩ MAX.					
		981 m/s ² , DURATION OF PULSE 6 ms				③ NO DAMAGE, CRACK AND LOOSENESS			×		
			AT 3 TIMES IN 3 DIRECTIONS. 20 TIMES INSERTIONS AND EXTRACTIONS.			OF PARTS. ① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.			×	+	
OPERATION 25 TH						② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
(THICK			EASURED BY APPLICABLE FPC.			DIRECTION OF INSERTION:			×	1-1	
		`	KNESS OF FPC SHALL BE t=0.30mm ITIAL CONDITION.)			0.3N × n MIN.(4~30 POS.) 0.2N × n MIN.(OVER 31 POS.) (<i>note 1</i>)					
FNVIRO	VMENTAL		ACTERISTICS			0.21	N ^ II IVIIIN.	.(00	K 31 FOS.) (Note 1)		
						① CONTACT RESISTANCE: 100 mΩ MAX.			×	Τ_	
		FOR 96 h.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.						
							③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.				
RAPID CHAI						① CONTACT RESISTANCE: 50 mΩ MAX.				×	1-1
TEMPERATURE		TIME $30 \rightarrow 2 \text{ To } 3 \rightarrow 30 \rightarrow 2 \text{ To } 3 \text{ min}$ UNDER 5 CYCLES.			(2) INSULATION RESISTANCE: 50 M Ω MIN. (3) NO DAMAGE, CRACK AND LOOSENESS						
DAMP HEAT		EXPOSED AT 40±2 °C,			OF PARTS.				×	1-1	
			ATIVE HUMIDITY 90 TO 95 %, 96 h.			3 00	NITACT) FOIC	TANCE: 50 m AMAY	ļ.,	
DAIVIF HEAT	DAMP HEAT,CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %,			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX. ② INSULATION RESISTANCE: $1 \text{ M}\Omega$ MIN.			×	-	
1		10 CYCLES,TOTAL 240 h.			(AT HIGH HUMIDITY)						
						③ INSULATION RESISTANCE: 50 M Ω MIN. (AT DRY)					
						④ NO	,	E, CR	ACK AND LOOSENESS		
COUN	T DE	SCRIPTION	ON OF REVISIONS		DESIG	l			CHECKED	DA	ATE
0											
REMARK						APPROVED CHECKED		VED	MO.ISHIDA	07.0	02. 17
									NM. NISHIMATSU	07. 02.	
Unless otherwise specified re			ofer to IIS C 5402					YH. KOTANI	07. 02. 14 07. 02. 14		
Unless otherwise specified, refe						DRAWN YH. KOTANI				JZ. 14	
Note QT:Qualification Test AT:Ass			··			FU00 0 0 F0U/		ELC4-156169 33-**S-0. 5SH (10			
HS.		SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD.						CL580	. 1	1/2	
EODM HD0011 2 1		CODE			NO. ULDOU			<u>~~</u>	1/4		

SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ				
DRY HEAT	EXPOSED AT 85±2 °C, 96 h.	① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.	×	_				
COLD	EXPOSED AT -55±3°C, 96 h.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	_				
SURPHUR DIOXIDE [JIS C 0090]		$ \bigcirc $ CONTACT RESISTANCE: 100 m Ω MAX. $ \bigcirc $ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	_				
HYDROGEN SULPHIDE [JIS C 0092]	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. 230 °C MIN FOR 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.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC4-156169-02		
HRS	SPECIFICATION SHEET	PART NO.	FH33-**S-0. 5SH(10)			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2