<u>APPLICA</u>	BLE STAN	DARD		lozon i on						
	OPERATING TEMPERATUR	E RANGE -55	-55 °C TO 85 STORAGE TEMPERATURE RAN		TURE RANGE	NGE -10 °C TO 50 °C (PACKED CONDITION)				
RATING	VOLTAGE	50	V AC/DC	OPERATING HUMIDITY RA	OR STOR ANGE	AGE	RELATIVE HUMIDITY 90 % MAX (NOT DE		WED)	
	CURRENT		0.5 A APPLICABLE CABLE		BLE CABLE			5mm, GOLD PLATING.(4~		,
			CDI		ATION	t=0.3±0.03mm, GOLD PLATING.(OVER 31 PC				OS.)
1-	TEN4	1			ATION	15		UUDEMENTO	T 0.T	Τ,-
	TEM RUCTION		TEST METHO	טט			REG	UIREMENTS	QT	A
		VISUALLY AND	BY MEASURING	INSTRUM	ENT. A	CCO	RDING TO D	RAWING.	Τ×	Τ×
MARKING		CONFIRMED VI	MED VISUALLY.			1			×	×
ELECTR	RIC CHARA	CTERISTICS	3		L.					
VOLTAGE F	PROOF	150 V AC FOR 1				NO FLASHOVER OR BREAKDOWN.			×	×
INSULATION 100 RESISTANCE		100 V DC.	00 V DC.			00 MΩ	2 MIN.		×	×
CONTACT RESISTANCE AC 20 m		AC 20 mV MAX	V MAX (1 KHz), 1 mA.			50 mΩ MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)			×	×
MECHA	NICAL CHA	RACTERIST			<u>I · · </u>				-	
VIBRATION			EQUENCY 10 TO 55 Hz, HALF AMPLITUDE 5 mm, — m/s² FOR 10 CYCLES IN			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			1 ×	-
SHOCK		981 m/s <sup>2</sup> , DUF	RECTIONS. m/s <sup>2</sup> , DURATION OF PULSE 6 ms 3 TIMES IN 3 DIRECTIONS.			<ul> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ul>			×	†-
MECHANIC OPERATION			ES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS			×	-
FPC RETENSION FORCE   MEASU		MEASURED B	ASURED BY APPLICABLE FPC.			OF PARTS.  DIRECTION OF INSERTION:			×	<u> </u>
		(THICKNESS OF	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> )				
ENVIRO	NMENTAL	CHARACTE	RISTICS					, , ,		
CORROSIO	ON SALT MIST	EXPOSED AT 3 FOR 96 h.	5±2 °C , 5 % S/	ALT WATEF	2	NO OF I NO AFF	DAMAGE, C PARTS. EVIDENCE	ISTANCE: $100 \text{ m}\Omega$ MAX. RACK AND LOOSENESS OF CORROSION WHICH PERATION OF	×	_
RAPID CHANGE OF TEMPER		TEMPERATURE	RATURE-55→+15 <sub>TO</sub> +35→+85→+15 <sub>TO</sub> +35°C			① CONTACT RESISTANCE: 50 mΩ MAX.			×	†-
	TEMPERATURE TIME UNDER		ER 5 CYCLES.			② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS				
DAMP HEAT (STEADY ST		EXPOSED AT	SED AT 40±2 °C, TIVE HUMIDITY 90 TO 95 %, 96 h.			OF	PARTS.		×	-
DAMP HEAT, CYCLIC EX		EXPOSED AT RELATIVE HUI	EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %,			① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN.			×	-
		10 CYCLES,TO	OTAL 240 h.		(3	3) INS	AT HIGH ULATION RI AT DRY)	HUMIDITY) ESISTANCE: 50 MΩ MIN.		
					<b>4</b>	1) NO	,	RACK AND LOOSENESS		
COUN	NT DI	SCRIPTION OF	REVISIONS		DESIGN	ED		CHECKED	DA	TE
<u>Ø</u>										
REMARK				APPROVED MO. ISHIDA CHECKED NM. NISHIMATSU			07. 0			
				DESIGNED YH. KOTANI		YH. KOTANI	07.0	)2. 14		
Unless otherwise specified, refer to JIS C 5402.						DRAWN	YH. KOTANI	07.0	)2. 1	
Note QT:Q	Qualification Tes	t AT:Assurance	Test X:Applicable	e Test	DRA	RAWING NO. ELC4-156169			9-02	
HRS SPECIFICATION SHEET PAR			DADTA	г NO. FH33-**S-0. 5SH (1		1)				
<b>HS</b>	51	PECIFICAT	ON SHEE	l	PARTN	NO.	ı		<i>))</i>	

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]	- ,	<ol> <li>CONTACT RESISTANCE: 100 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>	×					
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:0	Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC4-156169-02		
HRS	SPECIFICATION SHEET	PART NO.	FH33-**S-0. 5SH(10)			
11.	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2