	APPLICA	BLE STAN	DARD										
		OPERATING TEMPERATURE	E RANGE	▲ -40 °C TO 10	5 °C		PERATUR	RE RANGE			D CONDITION)		
	RATING VOLTAGE			50 V AC / D	С	HUMIDITY RANGE			GE	RELATIVE HUMIDITY 90 % MAX (NOT DEWE			
				0.5 A ( <b>note</b> )					t=0.3 $\pm$ 0.05mm, GOLD PLATING				
				SPECIFICATIONS									
		EM		TEST METHOD				R	EQU	IREMENTS	QT	AT	
	CONSTR		VISUALLY AND BY MEASURING INSTRUMENT.					ם ר	AWING	×			
			MED VISUALLY.				ACCORDING TO DRAWING.				×		
◬	ELECTRI	CAL CHAF	RACTERISTICS				<u> </u>				×		
	CONTACT R	ESISTANCE	AC 20 mV MAX (1 KHz), 1 mA.			50 mΩ MAX.				×	×		
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)							
	INSULATION RESISTANC		100 V DC.				500 Mg	2 MIN.			×	×	
	VOLTAGE P		150 V AC FOR 1 min.				NO FL	ASHOVE	r of	R BREAKDOWN.	×	×	
	MECHAN	ICAL CHA	RACTERISTICS										
	MECHANICA OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>			×	-			
◬	VIBRATION			NCY 10 TO 55 Hz, HAL		IDE	-		ICAL	DISCONTINUITY OF	×	-	
				0.75 mm, — m/s <sup>2</sup> FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				1 μs. (2) CONTACT RESISTANCE: 50 mΩ MAX.					
	SHOCK		981 m/s <sup>2</sup> , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	-	
∕∆	FPC RETEN		MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.30mm AT INITIAL CONDITION.)				DIRECTION OF INSERTION: 0.4N × n MIN. (n:NUMBER OF CONTACTS)				×	-	
	ENVIRONMENTAL CHA			HARACTERISTICS									
	TEMPERATURE TIM			TEMPERATURE-40 $\rightarrow$ +15T0+35 $\rightarrow$ +105 $\rightarrow$ +15T0+35°CTIME30 $\rightarrow$ 2 TO 3 $\rightarrow$ 30 $\rightarrow$ 2 TO 3 minUNDER5CYCLES.			<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>INSULATION RESISTANCE: 50 MΩ MIN.</li> <li>NO DAMAGE, CRACK AND LOOSENESS</li> </ol>			×	-		
	DAMP HEAT (STEADY ST		EXPOSED AT 40±2°C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.			OF PARTS.				×	-		
	DAMP HEAT	,	EXPOSED AT -10 TO +65 °C,				<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY)</li> <li>INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY)</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>				×	-	
			RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.										
◬	DRY HEAT		EXPOSED AT 105±2 °C, 96 h.							×	-		
	COLD		EXPOSED AT -40±3°C, 96 h.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	-		
	CORROSION SALT MIST		EXPOSED AT $35\pm2$ °C , 5 % SALT WATER SPRAY FOR 96 h.			RAY	<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO EVIDENCE OF CORROSION WHICH</li> </ol>			×	-		
◬	SULPHUR D		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY				AFFECTS TO OPERATION OF CONNECTOR.				×	1-	
	HYDROGEN	[JIS C 60068-2-42] 80±5% ,25±5 ppm FOR 96 h. (DROGEN SULPHIDE EXPOSED AT 40±2 °C , RELATIVE HUMIDITY			/	CO	NECTO	≺.		×	-		
				0±5% ,10 TO 15 ppm FOR 96 h. CRIPTION OF REVISIONS DESIG			GNED CHECKED					ATE	
	<b>2</b> 11			IS-F-00000943 RT. II								12.24	
	REMARK					APPROVED MO. ISHIDA CHECKED RI. TAKAYASU				05.01.05			
									05.01.05				
				ified refer to IEC 60540			DESIGNE					05.01.05	
	Unless otherwise specified, ref						DRAWN		/N	HH. TSUKUMO		01.05	
	Note QT:Qu	alification Tes	t AT:Ass				RAWING NO.			ELC4-154339-			
	HRS								28H-80S-0. 5SH (05				
		HIRC		ELECTRIC CO., LTD. CODE N			NO. CL586-1805-3-05			<u>A</u>	1/2		

FORM HD0011-2-1

SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	AT				
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING (MAX 2 CYCLES) PEAK TMP. 250 °C MAX . REFLOW TMP. OVER 230 °C WITHIN 60 sec. PRE-HEAT 150 TO 200°C FOR 90 TO 120 sec. 2) SOLDERING IRONS : TMP. 350±10°C FOR 5±1 sec .	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×					
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.	×					

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## (note)

WHEN THE SAME VALUE OF CURRENT ARE APPLID TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70 % OF THE RATED CURRENT VALUE.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC4-154339-01		
HRS	SPECIFICATION SHEET	PART NO.	FH28H-80S-0. 5SH(05)			
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL586	6-1805-3-05	◬	2/2
EODM HDOO11	0.0					