APPLICABLE STAN	IDARD							
OPERATING TEMPERATUI	PERANGE -40 °C TO 10	-70 °C 10 106 °C		RAGE PERATURE RANGE		-10°CTO 50°C (PACKED CONDITION		
RATING VOLTAGE	50 V AC / E		OPERATING OR HUMIDITY RANGE		R STORAGE	RELATIVE HUMIDITY 90 % M.		
CURRENT	0.5 A (<i>note</i>	<u></u>)	APPL	ICABLE (CABLE	t=0.3±0.05mm, GOLI	D PLATI	ING
I	· ·	CIFICA		NS		,		
ITEM	TEST METHOD		*****		REC	DUIREMENTS	QT	АТ
CONSTRUCTION								
GENERAL EXAMINATION	VISUALLY AND BY MEASURING IN	SUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×
MARKING	CONFIRMED VISUALLY.						×	×
ELECTRICAL CHA				1				
CONTACT RESISTANCE	AC 20 mV MAX (1 KHz), 1 mA.			50 mΩ MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)			×	×
INSULATION RESISTANCE	100 V DC.			500 MΩ MIN.			×	×
VOLTAGE PROOF	150 V AC FOR 1 min.	150 V AC FOR 1 min.			ASHOVER (OR BREAKDOWN.	×	×
MECHANICAL CH								
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			_
VIBRATION	FREQUENCY 10 TO 55 Hz, HAL		TUDE	① NO ELECTRICAL DISCONTINUITY OF			×	-
	3 AXIAL DIRECTIONS.	0.75 mm, — m/s ² FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.			1 μs. ② CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.			
SHOCK	*	//s², DURATION OF PULSE 6 ms TIMES IN 3 BOTH AXIAL DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			-
FPC RETENTION FORCE	MEASURED BY APPLICABLE FPC (THICKNESS OF FPC SHALL BE t= AT INITIAL CONDITION.)	ESS OF FPC SHALL BE t=0.30mm			DIRECTION OF INSERTION: 0.4N × n MIN. (n:NUMBER OF CONTACTS)			_
ENVIRONMENTAL	CHARACTERISTICS			1			·	
RAPID CHANGE OF TEMPERATURE		ME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min}$			 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 50 MΩ MIN. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			_
DAMP HEAT	EXPOSED AT 40±2°C,	ED AT 40±2°C,						
(STEADY STATE) DAMP HEAT, CYCLIC	RELATIVE HUMIDITY 90 TO 95 EXPOSED AT -10 TO -1	5 %, 96 +65 °C,	6 h.	① COI	NTACT RES	SISTANCE: 50 mΩ MA	X. ×	<u> </u>
	RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			 ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			I	
DRY HEAT	EXPOSED AT 105±2 °C, 96 h.			① CONTACT RESISTANCE: 50 mΩ MAX.				_
COLD EXPOSED AT -40±3°C, 96 h				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			S	-
CORROSION SALT MIST	EXPOSED AT 35±2°C , 5 % SALT WATER SPRAY FOR 96 h.			 ① CONTACT RESISTANCE: 50 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH 				-
SULPHUR DIOXIDE [JIS C 60068-2-4:		ED AT 40±2 °C , RELATIVE HUMIDITY , ,25±5 ppm FOR 96 h.		AFFECTS TO OPERATION OF CONNECTOR.			×	-
HYDROGEN SULPHIDE [JIS C 60068-2-4	EXPOSED AT 40±2 °C , RELATIVI 3] 80±5% ,10 TO 15 ppm FOR 96		TY				×	-
	DESCRIPTION OF REVISIONS		DESIG	NED		CHECKED	DA	ATE
& REMARK				APPROVED		D NE 111/17/17	4-	10.17
REMARK			APPROVED NF. MIYAZAKI CHECKED HS. SAKAMOTO			_	10. 17 10. 17	
					DESIGNE			
Unless otherwise specified, refer to IEC 60512.				DRAWN RN. I IDA				10. 15
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DF	DRAWING NO. ELC-156370-		-05-0	5	
HS s	SPECIFICATION SHEET	FICATION SHEET PART		rno. F			5)	
лО ——						•		

	SPECIFICATIO	NS		
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ
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, $235\pm5^{\circ}\mathrm{C}$ FOR IMMERSION DURATION, 2 ± 0.5 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	_

(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:C	Note QT:Qualification Test AT:Assurance Test X:Applicable Test		IG NO.	ELC-156370-05-05		
HS	SPECIFICATION SHEET	PART NO.	FH28E-*S-0. 5SH (05)			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL586	Δ	2/2