	APPLICA	BLE STAN	DARD									
		OPERATING TEMPERATURE RANGE RATING VOLTAGE		50 V AC / DC OPERA HUMDI		PERATURE RANGE			-10°CTO 50°C (PACKED CONDITIO			
	RATING							Æ R	RELATIVE HUMIDITY 90 % MAX (N		EWED)	
	CURRENT			0.5 A ( <b>note 1</b> )			ICABLE (	cable t=0.3±0.05mm, GOLD PLATII			NG	
	SPECIFICATIONS											
	רו	ГЕМ		TEST METHOD	)		REQUIREMENTS				QT	АТ
		RUCTION										
		EXAMINATION		LY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×	
				RMED VISUALLY.							×	×
	ELECTRICAL CHARACTE						ı					,
	CONTACT RESISTANCE   1mA(							50 m $\Omega$ MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				×
	INSULATION RESISTANCE		100 V DC.				500 MΩ MIN.				×	×
	VOLTAGE F	PROOF 150 V A		C FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				×	×
	MECHAN	NICAL CHA	RACTE	RISTICS			ı					
	MECHANICAL 20 TIME			IMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				I	
	OPERATION	OPERATION				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				S		
Δ	VIBRATION			FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE			① NO ELECTRICAL DISCONTINUITY OF			×	_	
				0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				1 μs. ② CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				
Λ	SHOCK 981 m			081 m/s <sup>2</sup> , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS				_	
				MEASURED BY APPLICABLE FPC.			OF PARTS. DIRECTION OF INSERTION: 0.4×n N MIN			×	+-	
			`	CTOR, FPC AT INITIAL CONDITION.			( n : NUMBER OF CONTACTS).					
	THICKNESS OF FPC SHALL BE t=0.30mm )  ENVIRONMENTAL CHARACTERISTICS											
$\Lambda$				RATURE-40→+15 <sub>TO</sub> +35→	·±105→±1	5 <sub>70</sub> ±35°C	① COI	NTACT RI	= 515	STANCE: 50 mg MAX	×	т_
<u> </u>	TEMPERATURE TIME UNDER			ME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min.}$			_					
				OSED AT 40±2 °C, ATIVE HUMIDITY 90 TO 95 %. 96 h.							×	_
	<u> </u>			LATIVE HUMIDITY 90 TO 95 %, 96 h.  POSED AT -10 TO +65 °C.							×	+_
			RELAT	RELATIVE HUMIDITY 90 TO 96 %,				② INSULATION RESISTANCE: 1 M $\Omega$ MIN.				
	10 CY			10 CYCLES,TOTAL 240 h.				(AT HIGH HUMIDITY)  ③ INSULATION RESISTANCE: $50 \text{ M}\Omega$ MIN.  (AT DRY)				
							(4) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				S	
Λ	DRY HEAT		EXPOSE	EXPOSED AT 105±2 °C, 96 h.			1 CONTACT RESISTANCE: 50 r			STANCE: 50 mΩ MAX.	×	+-
	COLD		EXPOSED AT -40±3°C, 96 h.			② NO DAMAGE, CRACK AND LOOSENESS					+	
			EXPOSED AT 35±2 °C 5% SALT WATER SPRAY			OF PARTS.  ① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.			×	$\vdash$		
^	FOR		FOR 96	FOR 96 h.			NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.					
<u>/1</u> \		JLPHUR DIOXIDE EXPOSED AT 40±2 °C , RELATIVE HUMIDITY  [JIS C 60068-2-42] 80±5% , 25±5 ppm FOR 96 h.		ΓΥ	PERATION OF					-		
$\triangle$	HYDROGEN SULPHIDE EXPOSE			KPOSED AT 40±2 ℃ , RELATIVE HUMIDITY			001	VIVLOTOI	٠.		×	<del>                                     </del>
	COUN			10 TO 15 ppm FOR 96 h. ON OF REVISIONS		DESIG	NFD			CHECKED	D/	L ATE
	<b>△</b> 9	52		F-00000493		RT. IK				HS. SAKAMOTO		10. 26
	REMARK		7.0				LUN	APPROV	ΈD	RI. TAKAYASU	-	10. 03
				fer to IEC 60512 .			CHECKED DESIGNED DRAWN			TN. KUWATA		10. 03
	Λ								ED	RT. IKEDA	06. 1	10. 03
	_	nerwise spec	cified, re						N	RT. IKEDA	06. 1	
	Note QT:Qualification Test AT:Ass			surance Test X:Applicable Test DF			RAWING NO.			ELC4-153887-		
	HS.	SF	PECIFI	CATION SHEET	PART NO.		Fŀ	FH28-*S-0. 5SH (05)				
	HIROS			E ELECTRIC CO., LTD.			CODE NO.		CL586			1/2

	SPECIFICATIONS							
	ITEM	TEST METHOD	REQUIREMENTS	QT	AT			
Z1\	RESISTANCE TO	1) REFLOW SOLDERING (MAX 2 CYCLES.)	NO DEFORMATION OF CASE OF	×	_			
	SOLDERING HEAT	PEAK TMP 250 °C MAX	EXCESSIVE LOOSENESS OF THE					
		REFLOW TMP OVER 230 °C WITHIN 60 sec.	TERMINALS.					
		PRE-HEAT 150 TO 200°C FOR 90 TO 120 sec.						
		2) SOLDERING IRONS						
		TMP 350 ± 10 °C FOR 5± 1 sec.						
	SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE,	A NEW UNIFORM COATING OF SOLDER	×	_			
		235±3 °C FOR IMMERSION DURATION,	SHALL COVER A MINIMUM OF 95 % OF					
		2±0.5 sec.	THE SURFACE BEING IMMERSED.					

## (note 1)

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

Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-153887-02		
H	25	SPECIFICATION SHEET	PART NO.	FH28-*S-0. 5SH (05)			
	•	HIROSE ELECTRIC CO., LTD.	CODE NO		CL586	Δ	2/2