APPLICA	BLE STANI	DARD										
OPERATING TEMPERATURE RANGE			-40 °C TO 105 °C	(note1)	STOR		RE RANGE	-10°CTO 50°C (PACKED CONDITIO			MON)	
RATING	VOLTAGE CURRENT		50 V AC / DC OPER		OPER/	ATING C	ERATURE RANGE ATING OR STORAGE ITY RANGE		RELATIVE HUMIDITY 90 % MAX (I			
					APPL	ICABLE	CABLE	t=	0.3±0.05mm, GOLD	PLATI	NG	
	1		<u> </u>	CIFIC <i>E</i>	OITA	NS			· · · · · · · · · · · · · · · · · · ·			
IT	EM		TEST METHOD				RE	QUIRE	MENTS	QT	AT	
CONSTR	UCTION					I				1	1	
GENERAL E	XAMINATION	VISUALL	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×		
MARKING		CONFIRM	MED VISUALLY.							×	×	
_	ICAL CHAF	_										
CONTACT RESISTANCE		AC 20 mV MAX (1 KHz), 1 mA.			50 m Ω MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				×	×		
INSULATION RESISTANCE		100 V DC.			(L=8/IIII) 500 MΩ MIN.				×	×		
VOLTAGE P	ROOF	150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				×	×		
MECHAN	IICAL CHA	RACTE	RISTICS							•	1	
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, HALF AMPLITUDE 0.75 mm, — m/s ² FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 50 mΩ MAX.			×	_			
SHOCK		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				<u> </u>			
		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)			l. ×	_			
ENVIRO	MENTAL	l	CTERISTICS									
RAPID CHANGE OF TEMPERATURE					 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 50 MΩ MIN. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				-			
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2°C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.						×	-			
DAMP HEAT,CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 					_		
DRY HEAT		EXPOSED AT 105±2 °C, 96 h.			CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				. ×	—		
COLD		EXPOSED AT -40±3°C, 96 h.								-		
		EXPOSED AT $35\pm2^{\circ}\text{C}$, 5 % SALT WATER SPRAY FOR 96 h.			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX. ② NO EVIDENCE OF CORROSION WHICH					_		
[JIS C 60068-2-42] ₈₀₌			EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 30±5% ,25±5 ppm FOR 96 h.			AFFECTS TO OPERATION OF CONNECTOR.				×	_	
HYDROGEN [JIS			D AT 40±2 °C , RELATIVE 10 TO 15 ppm FOR 96		ΓΥ					×	_	
COUN	T DE	SCRIPTIO	ON OF REVISIONS		DESIG	NED			CHECKED	DA	ATE	
REMARK					APPROVI	=D	NF. MIYAZAKI		10. 28			
						CHECKED			YH. MICHIDA		16. 10. 28	
						DESIGNED		_			10. 28	
Unless otherwise specified, ref			fer to IEC 60512.				DRAWN	1	RK. OGASAWARA	16. 1	10. 28	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DF			ELC-353836-9	98-00)				
SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD.			PART	NO. FH		FH	FH28D- * S-0.5SH(98)		4 /2			
		OSE EL	ELECTRIC CO., LTD. CODE			CL	_586	⚠	1/2			

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.	×	_				

(note1)

FOLLOW THE SPECIFICATIONS OF FPC/FFC IF IT'S ALLOWABLE MAXIMUM OPERATING TEMPERATURE IS BELOW 105°C.

(note2)

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	IG NO.	ELC-353836-98-00		
HRS	SPECIFICATION SHEET	PART NO. FH28- * S-0.5SH(98) FH28D- * S-0.5SH(98)				
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL586	(2/2