APPLICA	BLE STANI	DARD								
	OPERATING TEMPERATURI	E RANGE	-40 °C TO 12	5 °C		PERATUR	RE RANGE	-10°CTO50°C(PACKE	COND	MON)
RATING	VOLTAGE		50 V AC / D	С	HUMID	NTY RANG		RELATIVE HUMIDITY 90 % MA	•	
	CURRENT		0.5 A		LICABLE CABLE $t=0.3\pm0.05$ mm, GOLD P HEAT RESISTANCE:					
	1		SPEC	IFIC	ATIOI	NS				
	EM		TEST METHOD				RE	QUIREMENTS	QT	AT
	CUCTION EXAMINATION	VISUALL	Y AND BY MEASURING IN	ISTRUME	ENT.	IACCO	RDING TO	DRAWING.	×	×
MARKING		CONFIRMED VISUALLY.			Troconsine to biv.wiie.			×	×	
ELECTR	ICAL CHAF	RACTE	RISTICS							
		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 P		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	×	
MECHAN	IICAL CHA	RACTE	RISTICS			I				<u> </u>
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.			NO ELECTRICAL DISCONTINUITY OF 1 μs. 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.				†-	
FPC RETENTION FORCE		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) (<i>note 1</i>)			l. ×	_	
ENVIRO	NMENTAL	L	CTERISTICS			1				
RAPID CHA		TEMPER	ATURE-40→+15 _{TO} +35→+1			_			, , ,	_
TEMPERATURE		TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min}$ UNDER 1000 CYCLES.			(2) INSULATION RESISTANCE: 50 M Ω MIN. (3) NO DAMAGE, CRACK AND LOOSENESS					
DAMP HEAT (STEADY ST		EXPOSED AT 60±2°C,			OF PARTS.			×	-	
DAMP HEAT		RELATIVE HUMIDITY 90 TO 95 %, 1000 h. EXPOSED AT -10 TO +65 °C,			11.	① CO	NTACT RE	SISTANCE: 50 mΩ MAX	. ×	+_
5/4411 112/11,010210		RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			 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 125±2 °C, 1000 h.			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				 	
COLD		EXPOSED AT -40±3 °C, 1000 h.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				†-	
CORROSION SALT MIST		EXPOSED AT 35 ± 2 °C , 5 % SALT WATER SPRAY FOR 96 h.			 CONTACT RESISTANCE: 50 mΩ MAX. NO EVIDENCE OF CORROSION WHICH 				-	
SULPHUR DIOXIDE [JIS C 60068-2-42]		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% ,25±5 ppm FOR 96 h.			AFFECTS TO OPERATION OF CONNECTOR.				1-	
HYDROGEN	SULPHIDE	EXPOSE	D AT 40±2 °C , RELATIVE 10 TO 15 ppm FOR 96 h		TY	1			×	1-
COUN			ON OF REVISIONS		DESIG	SNED		CHECKED	D/	ATE
\triangle					_	_				
REMARK			- 1		APPROVED CHECKED		D HS. SAKAMOTO		00123	
									00123	
llaless : "		ified refer to IEC 60512			DESIGNED		Tuni Nebrurieni			
Unless otherwise specified, refer to IEC 60512.				=1.0.004				00122		
									.C-380099-98-00	
\mathbf{n}				PART			FH28K-*S-0. 5SH (9)	<u>(A</u>	1/2	
FORM HD0011-2-1			COL		CODE	E NO.		ULUOU	707	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, 245±3 °C FOR IMMERSION DURATION, 3±0.3 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	_				

(note 1)

THERE'S A CASE WHICH FPC/FFC RETENTION FORCE DOESN'T FULFILL THE VALUE, BECAUSE FPC/FFC SPECIFICATION AFFECTS THE RESULT OF FPC/FFC RETENTION FORCE.

Note QT:0	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-380099-98-00		
HS	SPECIFICATION SHEET	PART NO.	FH28K-*S-0. 5SH (98)			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL586	\triangle	2/2