APPLICA	BLE STA				lotor	2405		<u> </u>			
	OPERATING TEMPERATURE RANGE VOLTAGE CURRENT		-40 °C TO 125 °C TEMP		PATING OP STOPAGE		-10°CTO50°C(PACKED C				
RATING			50 V AC / D	<u>C</u>	HUMIC	ERATING OR STORAGE MIDITY RANGE		RELATIVE HUMIDITY 90 % N	AX(NOT D	EWED	
			0.5 A (note 1)		APPL	APPLICABLE CABLE		t=0.3±0.05mm, GOLD PLATI			
			SPEC	IFICA	ATIO	NS					
IT	EM		TEST METHOD				REC	QUIREMENTS	QT	- A1	
	RUCTION					•				•	
	XAMINATIC		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×	
MARKING			IED VISUALLY.						×	×	
		ARACTE				1				1	
CONTACTE	RESISTANCI	= 1mA(DC (1mA(DC OR 1000Hz).			50 mΩ			×	×	
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)					
INSULATION	N	100 V DC	100 V DC.			(L=8mm) 500 MΩ MIN.			×	×	
RESISTANC											
VOLTAGE P	PROOF	150 V AC	FOR 1 min.			NO FL	ASHOVER (OR BREAKDOWN.	×	×	
MECHAN	IICAL CH	IARACTE	RISTICS			1			ı	-	
MECHANICA		20 TIMES	INSERTIONS AND EXTRA	ACTIONS	S.	① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.			, ,	_	
OPERATION	N					② NO DAMAGE, CRACK AND LOOSENESS			SS		
VIBRATION		FREQUE	NCY 10 TO 55 Hz, HAL	F AMPLI	TUDE	OF PARTS. ① NO ELECTRICAL DISCONTINUITY OF			×	+-	
			0.75 mm, FOR 10 CYCLES IN 3 AXIAL			1 μs.					
SHOCK	SHUCK		DIRECTIONS. 981 m/s ² , DURATION OF PULSE 6 ms				② CONTACT RESISTANCE: 50 mΩ MAX.				
OHOOK	SHOCK		AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			ss×		
FPC RETENTION FORCE			MEASURED BY APPLICABLE FPC.			DIRECTION OF INSERTION: 0.4×n N MIN			1 ×	_	
		`	(CONNECTOR, FPC AT INITIAL CONDITION. THICKNESS OF FPC SHALL BE t=0.30mm)			(n : Nl	JMBER OF	CONTACTS).			
FNVIROI	NMFNTA		CTERISTICS	,	<u> </u>						
RAPID CHA			ATURE-55→+15 _{TO} +35→+1	125→+15	5то+35°C	① CO	NTACT RES	SISTANCE: 50 mΩ MA	<. ×	T -	
TEMPERAT	TEMPERATURE		TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min.}$			② INSULATION RESISTANCE: 50 M Ω MIN.					
DAMP HEAT		_	UNDER 1000 CYCLES. EXPOSED AT 60±2 °C,			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
(STEADY S	TATE)		RELATIVE HUMIDITY 90 TO 95 %, 1000 h.				7.1(10.		×		
DAMP HEAT	T,CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			① CONTACT RESISTANCE: 50 mΩ MAX.				-	
						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.					
DRY HEAT		EXPOSE	EXPOSED AT 125±2 °C, 1000 h.			① CONTACT RESISTANCE: 50 mΩ MAX.				-	
COLD		EXPOSE	EXPOSED AT -55±3°C, 1000 h.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				1-	
CORROSION SALT MIST		T EXPOSEI	EXPOSED AT 35±2 °C 5% SALT WATER SPRAY			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				+_	
		FOR 96 h	FOR 96 h.			② NO	EVIDENCE	OF CORROSION WHIC	, ,		
SULPHUR DIOXIDE [JIS C 60068-2-42]			EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 3] 80±5% , 25±5 ppm FOR 96 h.			AFFECTS TO OPERATION OF CONNECTOR.			×	-	
	SULPHIDE	_	O AT 40±2 °C , RELATIVE	HUMIDIT	ΓΥ	1			×	+_	
[JIS	C 60068-2-4		0 TO 15 ppm FOR 96 h.	1							
COUN	T I	DESCRIPTIO	N OF REVISIONS		DESIG	SNED		CHECKED	D,	ATE	
<u> </u>							ADD00: (=)	D NE 1177-2-77	1.0	00.00	
REMARK						APPROVEI CHECKED				03. 30	
			cified, refer to IEC 60512.			DESIGNED DRAWN				03. 30	
l Inless oth	nerwise sn	ecified ref							16. 03. 30		
Unless otherwise specified, refer to IEC 60512. Note QT:Qualification Test AT:Assurance Test X:Applicable Test			oct			RK. OGASAWARA					
						T NO. FH			ELC-365730-00-01 TH52K-**S-0. 5SH		
									Ι.	4 10	
		KOSE EL	OSE ELECTRIC CO., LTD.			CODE NO.		CL580		1/2	

SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ				
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING (TO BE 2 TIMES MAX.) PEAK TMP. 250 °C MAX REFLOW TMP. OVER 230 °C WITHIN 60 sec. PRE-HEATING. 150 TO 200 °C 90 TO 120 sec. 2) SOLDERING IRONS : 400 ± 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)

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.		ELC-365730-00-01		
RS	SPECIFICATION SHEET	PART NO.	FH52K-**S-0. 5SH		Н	
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	\triangle	2/2