APPLICA	BLE STAI				Гетог	PAGE					
	OPERATING TEMPERATURE RANGE		-40 °C TO 12		TEMPERAT			Œ			
RATING	VOLTAGE		50 V AC / D	<u>C</u>	HUMIC	OPERATING OR STORA HUMIDITY RANGE		RELATIVE HUMID	пү 90 % мах	(NOT DE	EWED
CURRENT			0.5 A (<i>note 1</i>)		APPLICABLE CABLE		t=0.3±0.05mm, GOLD PLATIN				
			SPEC	IFICA	ATIO	NS					
TI	EM		TEST METHOD				REC	UIREMENTS		QT	АТ
	RUCTION										
	XAMINATIO		Y AND BY MEASURING IN	ISTRUMI	ENT.	ACCORDING TO DRAWING.				×	×
MARKING			MED VISUALLY.							×	×
ELECTRICAL CHA						I50 0	BAA V			1	1
CONTACT RESISTANCE		1mA(DC)	1mA(DC OR 1000Hz).			50 mΩ			210741105	×	×
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)					
INSULATIO	-	100 V DC	100 V DC.			500 MΩ MIN.				×	×
RESISTANC		150 \/ AC	450 V 40 500 4			NO EL	A CHOVED (OR BREAKDO	\\/\NI	ļ	ļ.,
VOLTAGE F		150 V AC	150 V AC FOR 1 min.			INO FL	MONUVER (OK DKEAKDU	v v I N.	×	×
	NICAL CH										
MECHANICAL OPERATION		20 TIMES	20 TIMES INSERTIONS AND EXTRACTIONS.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			×	-	
VIBRATION		0.75 mm,	FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			×	-	
SHOCK			DIRECTIONS. 981 m/s ² , DURATION OF PULSE 6 ms				② CONTACT RESISTANCE: 50 mΩ MAX.				
SHOCK			AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	-
FPC RETENTION FORCE		(CONNEC	MEASURED BY APPLICABLE FPC. (CONNECTOR,FPC AT INITIAL CONDITION. THICKNESS OF FPC SHALL BE t=0.30mm)			DIRECTION OF INSERTION: 0.4×n N MIN (n: NUMBER OF CONTACTS).			×	_	
ENVIRO	NMENTA		CTERISTICS	,						1	
RAPID CHANGE OF TEMPERATURE		TEMPER TIME UNDER	TEMPERATURE-55 \rightarrow +15 _{TO} +35 \rightarrow +125 \rightarrow +15 _{TO} +35 $^{\circ}$ C TIME 30 \rightarrow 2 TO 3 \rightarrow 30 \rightarrow 2 TO 3 min.			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX. ② INSULATION RESISTANCE: $50 \text{ M}\Omega$ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS				×	-
DAMP HEAT	Γ		EXPOSED AT 60±2 °C,				PARTS.	SINACIN AIND L	OOGLINEGO	×	<u> </u>
(STEADY S			RELATIVE HUMIDITY 90 TO 95 %, 1000 h.								
DAMP HEAT,CYCLIC		RELATI	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		EXPOSE	EXPOSED AT 125±2 °C, 1000 h.			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				×	†_
COLD		EXPOSE	EXPOSED AT -55±3°C, 1000 h.			② NO DAMAGE, CRACK AND LOOSENESS				×	+_
CORROSION SALT MIST			EXPOSED AT 35±2 °C 5% SALT WATER SPRAY			OF PARTS. ① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				×	+
SULPHUR DIOXIDE		FOR 96 h	FOR 96 h. EXPOSED AT 40±2 °C , RELATIVE HUMIDITY			NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF			×	-	
HYDROGEN	SULPHIDE	EXPOSE	25±5 ppm FOR 96 h. D AT 40±2 °C , RELATIVE 10 TO 15 ppm FOR 96 h.	HUMIDIT	ΓΥ	co	NNECTOR.			×	_
COUN			N OF REVISIONS		DESIG	NED		CHECK	ED .	DΑ	TE
A			21 1.21.070110					31120111		5,5	
REMARK	I			1			APPROVE	D HS. SAF	KAMOTO	2019	1205
							CHECKED	HS. SAF	KAMOTO	201912	
							DESIGNE	O NM. YO	NEYAMA	2019	120
Unless oth	nerwise sp	ecified, ref	cified, refer to IEC 60512.					DS. HIRO	OWATARI	2019	120
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			est		DRAWING NO. ELC-365730)		
		PECIFICATION SHEET P			PART	ART NO. F		TH52K-**S-0. 5SH (99)			
		ROSE 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:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC-365730-99-00		
HS.	SPECIFICATION SHEET	PART NO.	NO. FH52K-**S-0. 5SH (99			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	\triangle	2/2