AFFLICA	BLE STA		10.00 =0	405.001	a ISTO	RAGE	T	40.0T0 T0.00		
	TEMPERATURE RANGE VOLTAGE CURRENT		-40 °C TO 125 °C(note 1)		MPERATURE RANGE ERATING OR STORAGE		-10°CTO 50°C (PACKED CONI		MOV.	
RATING			50 V	AC / DC	HUIV	IDITY RANG	E	RELATIVE HUMIDITY 90 % MAX	(NOT DE	EWED
			0.5 A		APF	APPLICABLE CABLE		t=0.3±0.05mm, GOLD PLATING		
	•		5	SPECIFIC	CATIC	NS	•			
IT	EM		TEST M	ETHOD			REQ	UIREMENTS	QT	A
	RUCTION									
	XAMINATIO		Y AND BY MEASU	JRING INSTRU	MENT.	ACCO	ACCORDING TO DRAWING.			×
MARKING			MED VISUALLY.						×	×
	ICAL CHA					50 0	B 4 A 3 /		1	
CONTACT RESISTANCE		1mA(DC	1mA(DC OR 1000Hz).			50 mΩ			×	×
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				
INSULATION		100 V DC	· ·			500 Mg	•		×	×
RESISTANC		450 \/ 40	COD 4 min			NO FI	A CLIOVED (
VOLTAGE P	ROOF	150 V AC	FOR 1 min.			INO FL	AOHUVEK (OR BREAKDOWN.	×	×
MECHAN	NICAL CH		RISTICS						_	
MECHANICAL OPERATION		20 TIMES	20 TIMES INSERTIONS AND EXTRACTIONS.			② NO	 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 μ	① NO ELECTRICAL DISCONTINUITY OF 1 μs.			-
SHOCK		981 m/s ²	DIRECTIONS. 981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			3 NO	 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			-
FPC RETENTION FORCE			MEASURED BY APPLICABLE FPC.			_	DIRECTION OF INSERTION: 0.4×n N MIN			+_
		THICKNE	CTOR,FPC AT INI SS OF FPC SHAI	LL BE t=0.30mn		(n : Nl	JMBER OF (CONTACTS). (note 2)	×	
			ACTERISTICS							
RAPID CHANGE OF TEMPERATURE		TIME	TEMPERATURE-55 \rightarrow +15 $_{\text{TO}}$ +35 \rightarrow +125 \rightarrow +15 $_{\text{TO}}$ +35 $^{\circ}$ C TIME 30 \rightarrow 2 $_{\text{TO}}$ 3 \rightarrow 30 \rightarrow 2 $_{\text{TO}}$ 3 min. UNDER 1000 CYCLES.			 C ONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 50 MΩ MIN. NO DAMAGE, CRACK AND LOOSENESS 			×	-
DAMP HEAT			EXPOSED AT 60±2 °C,				PARTS.		×	-
(STEADY S			RELATIVE HUMIDITY 90 TO 95 %, 1000 h. EXPOSED AT -10 TO +65 °C,			1 00	NTACT DEC	SISTANCE: 50 mΩ MAX.	×	
DAMP HEAT, CYCLIC		RELATI	RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			② INS (/ ③ INS	 ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS 			
		EVBOSE					OF PARTS.			
DRY HEAT			EXPOSED AT 125±2 °C, 1000 h.			 ① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS 			×	-
COLD			EXPOSED AT -55±3°C, 1000 h.			OF	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]		EXPOSE	EXPOSED AT 40±2 °C , RELATIVE HUMIDITY] 80±5% , 25±5 ppm FOR 96 h.			AFFECTS TO OPERATION OF CONNECTOR.			×	1-
	SULPHIDE C 60068-2-4		D AT 40±2 °C , RE 10 TO 15 ppm FO		OITY				×	-
COUN	Т	DESCRIPTION	ON OF REVISIONS	S	DESI	GNED		CHECKED	DA	\TE
<u>A</u>							ADE-5:::			
REMARK							APPROVE		18.	
			cified, refer to IEC 60512.				DESIGNED	1 111 11 111 111	18. 03.	
Unless oth	nerwise sn	ecified. re				DRAWN		NY. YAMASHIRO NY. YAMASHIRO	18. 03. 15 18. 03. 15	
			С			ELC-382242-0				
		SPECIFICATION SHEET			PAR	PART NO.		FH52K-**SB-1SH		<u> </u>
		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.	×	Ι				
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)

FOLLOW THE SPECIFICATIONS OF FPC/FFC IF IT'S ALLOWABLE MAXIMUM OPERATING TEMPERATURE IS BELOW 125°C

(note 2)

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:C	Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-382242-00-00		
HS	SPECIFICATION SHEET	PART NO.	FH52K-**SB-1SH			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580		2/2