APPLICA	BLE STAN	DARD							<u> </u>		
	OPERATING TEMPERATUR	ODED			PERATURE RANGE -4			-40°CTO105°C (MOUNTED ON PCB)			
RATING	VOLTAGE		50 V AC / DO	С	HUMID	OPERATING OR STOP HUMIDITY RANGE APPLICABLE CABLE		F	RELATIVE HUMIDITY 90 % MAX (NOT DE		
	CURRENT		0.5 A (note 1)	,			CABLE		t =0.3 \pm 0.05mm, GOLD	PLATI	NG
			SPEC	<u>IFIC</u>	ATIOI	NS_					
	TEM		TEST METHOD				RE	QU	IREMENTS	QT	AT
	RUCTION					T					
	EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×	
MARKING			MED VISUALLY.							×	×
	ICAL CHA					1				1	
CONTACT RESISTANCE		1mA(DC OR 1000Hz).			50 m Ω MAX. INCLUDING FPC,FFC BULK RESISTANCE			×	×		
INSULATIO		100 V DC.			(L=8mm) 500 MΩ MIN.				×	×	
RESISTANCE VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				×	×	
	VICAL CHA	DACT	EDISTICS								
				ACTION	IS.	① CO	NTACT DI	ECIC	STANCE: FO MO MAY	Τ.,	1
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			S ×			
		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			×	_		
SHOCK		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			×	_		
FPC RETENTION FORCE		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	NMENTAL		ACTERISTICS		,	ı				-1	
RAPID CHANGE OF A TEMPERATURE		TEMPERATURE-40 \rightarrow +15 _{TO} +35 \rightarrow +105 \rightarrow +15 _{TO} +35 $^{\circ}$ C TIME 30 \rightarrow 2 TO 3 \rightarrow 30 \rightarrow 2 TO 3 min. UNDER 5 CYCLES.			 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.			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				×	-	
COLD		EXPOSE	EXPOSED AT -40±3°C, 96 h.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	<u> </u>
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.			×	-	
		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% , 10 TO 15 ppm FOR 96 h.						×	_		
COUN	NT DE	SCRIPTION	ON OF REVISIONS		DESIG	NED			CHECKED	DA	ΛTE
		DIS-	DIS-F-00000202 HK. KIN					HS. SAKAMOTO	15.0	3. 25	
REMARK		IDE DANCE IN THE EMPONES OF SELECTION			APPROVE			NF.MIYAZAKI	15.0	3. 04	
	TEMPERAT +50 °C △	JRE RANGE IN THE EMBOSSED CARRIER TAI			OFFICIAL		ΞD	SJ. OKAMURA	15.0	3. 03	
		cified, refer to JIS C 5402.			DESIGNED DRAWN			HK. KINOUCHI	15. 03. 03 15. 03. 03		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DF			ELC-359845-0				
жs	SI	PECIFICATION SHEET PAR			PART	г NO. FH52E-* (*) SB-13		H52E-* (*) SB-1SF	 H		
	HIR	IROSE ELECTRIC CO., LTD.			CODE	DE NO.			CL580	Δ	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 : 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)

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:C	Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-359845-00-00		
HS.	SPECIFICATION SHEET	PART NO.	FH52E-* (*) SB-1SH			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2