10/\	BLE STAN Operating	2, \			Stora	ae		<u> </u>			
Operating temperature		ange -40 °C to 125 °C					ge erature range ating or storage		-10 °C to 50 °C (Packed con		tion)
RATING	Voltage		50 V AC / DC		humid	dity rang	ge	Re	elative humidity 90 % MAX (
	Current					cable ca /FFC)	able		t = 0.3 ± 0.05 mm, Gold plat Heat resistance : 125 ℃		ng
			SPEC	IFICA	1OIT.	NS					
	EM		TEST METHOD				R	EQU	IREMENTS	QT	Α
CONSTR	UCTION										
General exa	mination	Visually ar	nd by measuring instrumen	nt.		Accord	ling to dra	wing		×	×
Marking		Confirmed	visually.							×	×
ELECTR	ICAL CHA	RACTER	RISTICS								
Contact resistance		1 mA (DC or 1000 Hz).			50 m Ω MAX. Including FPC/FFC bulk resistance (L = 8 mm)				×	×	
Insulation re	sistance	100 V DC.				500 Mg	Ω MIN.			×	×
Voltage proof		150 V AC	50 V AC for 1 min.			No flashover or breakdown.			×	×	
MECHAN	IICAL CHA	RACTE	RISTICS								
Mechanical of		20 times insertions and extractions.			① Contact resistance : 50 mΩ MAX.			×	Τ_		
									k and looseness of parts.		
Vibration		Frequency 10 to 55 Hz, half amplitude 0.75 mm, for 10 cycles in 3 axial directions.			 No electrical discontinuity of 1 μs. Contact resistance : 50 mΩ MAX. No damage, crack and looseness of parts. 			×	-		
Shock		981 m/s², duration of pulse 6 ms at 3 times in 3 both axial directions.			(3) INO	damage,	CIAC	k and looseness of parts.	×	-	
FPC/FFC retention force		Measured by applicable FPC/FFC. (Connector, FPC/FFC at initial condition.			Direction of insertion : 0.3 × n N MIN. (n : Number of contacts)			×	-		
			of FPC/FFC shall be t = 0.			(note		011101	,		
		CHARA	CTERISTICS								
Rapid change of temperature		Temperature -55 \rightarrow +15 to +35 \rightarrow +125 \rightarrow +15 to +35 °C Time 30 \rightarrow 2 to 3 \rightarrow 30 \rightarrow 2 to 3 min. Under 1000 cycles.			 Contact resistance : 50 mΩ MAX. Insulation resistance : 50 MΩ MIN. No damage, crack and looseness of parts. 			×	-		
High tempera	ature and high	Exposed at 85 ± 2 °C,				© 110	aamago,	oraoi	t and reconlect of parts.	×	-
Damp heat,	cyclic	Relative humidity 90 to 95 %, 1000 h. Exposed at -10 to +65 °C,			① Cor	ntact resis	tanc	e : 50 mΩ MAX.	×	+_	
		Relative humidity 90 to 96 %, 10 cycles, Total 240 h.				 ② Insulation resistance : 1 MΩ MIN. (At high humidity) ③ Insulation resistance : 50 MΩ MIN. (At dry) 					
						No damage, crack and looseness of parts.					
Dry heat		Exposed at 125 ± 2 °C, 1000 h.			 Contact resistance : 50 mΩ MAX. No damage, crack and looseness of parts. 				×	-	
Cold		Exposed at -55 ± 3 °C, 1000 h.							×	-	
Corrosion salt mist		Exposed a for 96 h.	Exposed at 35 ± 2 °C, 5 % salt water spray for 96 h.			Contact resistance : 50 mΩ MAX.				×	-
Sulphur dioxide [JIS C 60068-2-42]		Exposed at 40 ± 2 °C, Relative humidity 80 ± 5 %, 25 ± 5 ppm for 96 h.							×	-	
Hydrogen su [JIS	lphide C 60068-2-43		at 40 ± 2 °C, Relative humipm for 96 h.	dity 80 ± 5	5%,					×	-
COUN	T DE	SCRIPTIO	N OF REVISIONS		DESIG	NED			CHECKED	DA	ATE
1		DIS-F	-00001999		SG. MAS	SAKI			HS. SAKAMOTO	17. (01. 1
REMARK							APPRO'	/ED	NF.MIYAZAKI	16.	12. 1
							CHECK	ED	HS. SAKAMOTO	16.	12. 1
						DESIGNED		IED	SG. MASAKI	AKI 16. 12	
Unless otherwise specified, refer to IEC 60512.					DRAWN		SG. MASAKI	16. 12. 16			
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DR			ELC-371661-0	0-0	0			
HS			CATION SHEET ECTRIC CO., LTD.		PART CODE				FH65-**S-0. 5SH CL580	A	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 \pm 3 °C for immersion duration, 3 \pm 0.3 sec.	A new uniform coating of solder shall cover a minimum of 95 % of the surface being immersed.	×	_				

(note 1)

This product has flip-lock construction.

Fasten FPC/FFC on PCB or something fixed if force in vertical direction shall be predicted.

Note QT:C	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC-371661-00-00			
HRS	RS SPECIFICATION SHEET			FH65-**S-0. 5SH			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2	