APPLICA	BLE STA	NDARD										
Operating			-40 °C to 125 °C		-			-10 °C to 50 °C (Packed condition		ion)		
RATING	temperature range Voltage		50 V AC / DC	tempe Opera		erature range ating or storage			Relative humidity 90 % MAX (N			
	Current		0.5 A		Appli	humidity range Applicable cable (FPC/FFC)			t = 0.3 ± 0.05 mm, Gold plating Heat resistance : 125 ℃			
			SPEC	IFIC					rieat resistance . 12	.5 C		
17	ТЕМ		TEST METHOD	/11 10/	7 (110)			FOLI	 IREMENTS	QT	AT	
	RUCTION		TEST WETTOD					LQU	IKLIVILIVIS	Qı	AI	
General exa			nd by measuring instrumen	nt.		Accord	ing to dr	awing		×	×	
Marking		Confirmed	Confirmed visually.							×	×	
FI FCTR	ICAL CH	ARACTEI	RISTICS							1	1 **	
Contact resistance			1 mA (DC or 1000 Hz).				50 mΩ MAX. Including FPC/FFC bulk resistance (L = 8 mm)				×	
Insulation resistance		100 V DC	100 V DC.			$500 \text{ M}\Omega$ MIN.				×	×	
Voltage proof		150 V AC	150 V AC for 1 min.			No flashover or breakdown.				×	×	
MECHAI	VICAL CH	HARACTE	RISTICS			ı						
Mechanical			20 times insertions and extractions.			① Contact resistance : 50 mΩ MAX.				×	Τ-	
						② No damage, crack and looseness of parts.						
			Frequency 10 to 55 Hz, half amplitude 0.75 mm, for 10 cycles in 3 axial directions.			① No electrical discontinuity of 1 μs. ② Contact resistance : 50 mΩ MAX.			×	_		
			981 m/s², duration of pulse 6 ms at 3 times in 3 both axial directions.			_(3) NO	damage	craci	k and looseness of parts.	×	-	
FPC/FFC retention force		Measured	Measured by applicable FPC/FFC.			Direction of insertion : 0.3 × n N MIN.			×	+_		
		(Connecto	(Connector, FPC/FFC at initial condition. Thickness of FPC/FFC shall be t = 0.30 mm)			(n : Number of contacts) (note 1)						
ENVIRO	NMENTA	L CHARA	CTERISTICS									
Rapid change of temperature		Time	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. 				×	_	
		gh Exposed	Exposed at 85 ± 2 °C,				darriago,	oraci	t and looseness of parts.	×	-	
numidity Damp heat,	cyclic		Relative humidity 90 to 95 %, 1000 h. Exposed at -10 to +65 °C.			① Contact resistance : 50 mΩ MAX.				×	+_	
zapa.,	oy 60	Relative h	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	xposed at 125 ± 2 °C, 1000 h.			 ① Contact resistance : 50 mΩ MAX. ② No damage, crack and looseness of parts. Contact resistance : 50 mΩ MAX. 				×	-	
Cold		'	xposed at -55 ± 3 °C, 1000 h.							×	-	
Corrosion salt mist		for 96 h.								×	_	
Sulphur dioxide [JIS C 60068-2-42] Hydrogen sulphide		42] 25 ± 5 pp	exposed at 40 ± 2 °C, Relative humidity 80 ± 5 %, 5 ± 5 ppm for 96 h. Exposed at 40 ± 2 °C, Relative humidity 80 ± 5 %,							×		
		43] 10 to 15 p		dity 80 ±	: 5 %,					×		
COUN	IT		ON OF REVISIONS		DESIG				CHECKED	-	ATE	
ZIX 1 REMARK		DIS-F	DIS-F-00001999 SG		SG. MA	IASAKI APPROV		\/==	HS. SAKAMOTO		01. 12	
KEWAKK							CHECK		NF. MIYAZAKI HS. SAKAMOTO		12. 16 12. 16	
			() ()			DESIGNED		NED	SG. MASAKI	AKI 16. 12		
Unless otherwise specified, refer to IEC 60512.			r		DRAV	۷N	SG. MASAKI	16.	12. 16			
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DF	<u> </u>		ELC-371661-0	0-0	0				
HS.		SPECIFICATION SHEET				ART NO.			FH65-**S-0. 5SH		1 /0	
		NOSE EL	SE ELECTRIC CO., LTD. C		CODE	DE NO.		CL580		Δ	1/2	

FORM HD0011-2-1

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	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC-371661-00-00		
HRS	SPECIFICATION SHEET	PART NO.	FH65-**S-0.5SH			
11.	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	4	2/2