BLE STAN	DARD										
Operating		40 °C to 125 °C		Stora	age			10 °C to 50 °C (Booked	oondit	ion)	
temperature range		-40 °C to 125 °C	•					-10 °C to 50 °C (Packed	condit	ion)	
Voltage		50 V AC / DC		humi	dity rang	ge	Re	elative humidity 90 % MAX (Not dev			
Current		0.5 A			Applicable cable (FPC/FFC)			t = 0.3 ± 0.05 mm, Gold platin Heat resistance : 125 ℃			
		SPEC	IFIC	ATIOI	NS						
ΞM		TEST METHOD				R	EQU	IREMENTS	QT	АТ	
UCTION	•									,	
nination	Visually a	and by measuring instrument	t.		Accord	ing to dra	wing		×	×	
	Confirme	d visually.			-				×	×	
CAL CHAI	RACTE	RISTICS								ı	
tance					50 mΩ	MAX.			Tx	×	
	,	,			Including FPC/FFC bulk resistance (L = 8 mm)						
Insulation resistance		100 V DC.			500 Mg	Ω MIN.			×	×	
	150 V AC	for 1 min.			No flas	hover or l	break	kdown.	×	×	
ICAL CHA	RACTE	RISTICS			•						
peration					① Contact resistance : 50 mΩ MAX.				×	—	
					② No damage, crack and looseness of parts.						
					① No electrical discontinuity of 1 μs.			×	_		
		0.75 mm, for 10 cycles in 3 axial directions.									
	981 m/s ²	duration of pulse 6 ms			J 110	uarriage,	Ciaci	k and looseness of parts.	×	 	
	at 3 times	s in 3 both axial directions.									
ention force	Measured	Measured by applicable FPC/FFC.			Direction of insertion : 0.3 × n N MIN.			+×	+-		
	(Connector, FPC/FFC at initial condition.			l l				^			
			30 mm)		(note	1)					
					,						
e of					0				×	_	
temperature		Time $30 \rightarrow 2 \text{ to } 3 \rightarrow 30 \rightarrow 2 \text{ to } 3 \text{ min.}$ Under 1000 cycles.			(2) Insulation resistance : 50 MΩ MIN.(3) No damage, crack and looseness of parts.						
ture and high									×	-	
yclic				Contact resistance : 50 mΩ MAX. Insulation resistance : 1 MΩ MIN. (At high humidity) Insulation resistance : 50 MΩ MIN. (At dn)				+	† _		
-	Relative humidity 90 to 96 %, 10 cycles, Total 240 h.										
					* ***						
Dry heat		Exposed at 125 ± 2 °C, 1000 h.			_				×	_	
Cold		Exposed at -55 ± 3 °C, 1000 h.			② No damage, crack and looseness of parts.				×	_	
Corrosion salt mist		Exposed at 35 ± 2 °C, 5 % salt water spray			Contact resistance : 50 mΩ MAX.				×	+-	
Sulphur dioxide		for 96 h. Exposed at 40 ± 2 °C. Relative humidity 80 ± 5 %.							¥	+	
									^		
phide C 60068-2-43			dity 80 ±	5 %,					×	1-	
				DESIG	NED			CHECKED	D/	ATE	
						APPRO\	/ED	HS. SAKAMOTO	17. (02. 15	
						CHECK	ED	HS. SAKAMOTO		02. 15	
					DESIGNED SG. MASAKI DRAWN SG. MASAKI		IED	SG. MASAKI	17. (02. 14	
Unless otherwise specified, refer to IEC 60512.							+	17. 02. 14			
			DF	DRAWING NO. ELC-371661							
ualification Tes	ot AT.AS						NO. FH65-**S-0. 5SH (9)			})	
		CATION SHEET		PART	NO.		FH	65-**S-0. 5SH (99))		
	Operating temperature repeature repe	temperature range Voltage Current EM UCTION Innation Visually a Confirme CAL CHARACTE tance 1 mA (DC istance 100 V DC istance 150 V AC i	Operating temperature range Voltage 50 V AC / DC Current 0.5 A SPEC M TEST METHOD UCTION Inination Visually and by measuring instrumen Confirmed visually. CAL CHARACTERISTICS Itance 1 mA (DC or 1000 Hz). Istance 100 V DC. 150 V AC for 1 min. ICAL CHARACTERISTICS peration 20 times insertions and extractions. Frequency 10 to 55 Hz, half amplitud 0.75 mm, for 10 cycles in 3 axial directions. Initial condition of pulse 6 ms at 3 times in 3 both axial directions. IMENTAL CHARACTERISTICS In measured by applicable FPC/FFC. (Connector, FPC/FFC shall be t = 0. IMENTAL CHARACTERISTICS In the service of the service	Temperature range Voltage 50 V AC / DC Current 0.5 A SPECIFIC M TEST METHOD UCTION Initiation Visually and by measuring instrument. Confirmed visually. CAL CHARACTERISTICS It may (DC or 1000 Hz). Istance 100 V DC. 150 V AC for 1 min. ICAL CHARACTERISTICS peration 20 times insertions and extractions. Frequency 10 to 55 Hz, half amplitude 0.75 mm, for 10 cycles in 3 axial directions. 981 m/s², duration of pulse 6 ms at 3 times in 3 both axial directions. IMENTAL CHARACTERISTICS of Measured by applicable FPC/FFC. (Connector, FPC/FFC at initial condition. Thickness of FPC/FFC shall be t = 0.30 mm) IMENTAL CHARACTERISTICS of Temperature -55→+15 to +35→+125→+15 to Time 30→ 2 to 3 → 30 → 2 to Under 1000 cycles. ture and high Exposed at 85 ± 2 °C, Relative humidity 90 to 95 %, 1000 h. Exposed at -10 to +65 °C, Relative humidity 90 to 96 %, 10 cycles, Total 240 h. Exposed at 125 ± 2 °C, 1000 h. Exposed at 35 ± 2 °C, 8 elative humidity 80 ± 26 C 60068-2-42] 5 ± 5 ppm for 96 h. Exposed at 40 ± 2 °C, Relative humidity 80 ± 26 C 60068-2-42] 10 to 15 ppm for 96 h. DESCRIPTION OF REVISIONS erwise specified, refer to IEC 60512.	Operating temperature range Voltage 50 V AC / DC Oper huming specified in the proper of the prop	Operating temperature range	Operating temperature range 40 °C to 125 °C Storage temperature range 50 V AC / DC Operating or storage humidity range Operating or storage humidity range Applicable cable (FPC/FC) SPECIFICATIONS	Storage temperature range	Correcting temperature range 40 °C to 125 °C Storage temperature range 10 °C to 50 °C (Packet temperature range Voltage 50 V AC / DC Operating or storage Numidity range Relative humidity 90 %MXX Relative humidity 90 %MXX TEST METHOD REQUIREMENTS SPECIFICATIONS TEST METHOD REQUIREMENTS Relative humidity 90 %MXX Including PC/FFC bulk Relative sistance 10 Confirmed visually. According to drawing. Confirmed visually. Confirmed visual	Operating temperature range	

	SPECIFICATIO	NS		
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)

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-371661-99-00			
HR	RS SPECIFICATION SHEET		PART NO. FH65-**S-0. 5SH (99				9)	
* * *	.	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	A	2/2	