APPLICA	BLE STAN	IDARD										
	Operating temperature range		-55°C to 85°C		Storage temperature range			-	-10°C TO 50°C(packed condition			
RATING	Voltage	30V AC/E				erating or storage midity range		Relative humidity 90%MAX(ne			not dewed)	
	Current		0.20A Appl		Appli	cable ca	able		$t=0.2\pm0.02$ mm, gold p	lating	J	
			SPEC	IFICA	1OIT	NS						
IT	EM		TEST METHOD				RE	QUI	REMENTS	QT	АТ	
CONSTR	UCTION	•				•						
General exar	mination	Visually a	Visually and by measuring instrument.			According to drawing.				×	×	
Marking		Confirmed visually.			(note 1,2)				×	×		
ELECTR	CAL CHA											
Voltage proof		90V AC for 1 min.				No flashover or breakdown.				×	×	
Insulation res	sistance	100V DC.			50MΩ MIN.				×	×		
Contact resistance		20mV AC MAX, 1mA.			200mΩ MAX. Including FPC bulk resistance (L=8mm)				×	×		
MECHAN	IICAL CHA	RACTE	RISTICS									
Vibration		Frequency 10 to 55 Hz, half amplitude 0.75 mm,			١,	① No	electrical d	isco	ntinuity of 1μs.	×	_	
· IDIGUOTI		for 10 cycles in 3 axial directions.							e: 200mΩ MAX.			
Shock		981 m/s ² , duration of pulse 6 ms at 3 times in 3 both axial directions.			③ No damage, crack and loose parts.				×	-		
Mechanical o	peration	10 times insertions and extractions.				 Contact resistance: 200mΩ MAX. No damage, crack and loose parts. 			×	-		
		Measured by applicable FPC. (thickness of FPC shall be t=0.20mm at initial ondition)			Direction of insertion : 1.98N MIN (<i>note 3,4</i>)			×	-			
ENVIRO	MENTAL	CHARA	CTERISTICS									
Corrosion salt mist Ex		Exposed	Exposed at 35±2°C, 5% salt water spray for 96h.			 Contact resistance: 200mΩ MAX. No damage, crack and loose parts. No evidence of corrosion which affects connector's operation. 			×	_		
Rapid change of temperature		Temperature-55 \rightarrow +15To+35 \rightarrow +85 \rightarrow +15To+35°C Time 30 \rightarrow 2 To 3 \rightarrow 30 \rightarrow 2 To 3 min Under 5 cycles.			① Contact resistance: 200mΩ MAX. ② Insulation resistance: 50MΩ MIN.				×	_		
Damp heat (steady state)		Exposed at 40±2°C, relative humidity 90 to 95%, 96h.			③ No damage, crack and loose parts.				×	-		
Damp heat,cyclic		Exposed at -10 to +65°C, relative humidity 90 to 96%, 10 cycles, total 240h.			 Contact resistance: 200mΩ MAX. Insulation resistance: 1MΩ MIN. (at high humidity) Insulation resistance: 50MΩ MIN. (at dry) No damage, crack and loose parts. 			×	_			
Dry heat		Exposed	osed at 85±2°C, 96h.			① Contact resistance: 200mΩ MAX.				×	<u> </u>	
Cold			osed at -55±3°C, 96h.			② No damage, crack and loose parts.				×	<u> </u>	
Sulphur dioxide [JIS C 60068-2-42]		relative h 25±5ppr	d at 40±2°C, humidity 80±5%, om for 96h. d at 40±2°C,			 Contact resistance: 200mΩ MAX. No damage, crack and loose parts. No evidence of corrosion which affects 			×	_		
Hydrogen sulphide [JIS C 60068-2-43]		relative h	e humidity 80±5%, 15ppm for 96h.			connector's operation.						
					DESIG	GNED		CHECKED		DATE		
DEMARK							A D D D D D D D D D					
REMARK							APPROVI		NF. MIYAZAKI		08. 08	
							DESIGNE	— t	HS. SAKAMOTO)8. 07	
I Inless otherwise specifie			fied refer to IEC 60512			DESIGNE				17. (
Unless otherwise specified, re									OTNIEL RINALDO	17. (
Note QT:Q								ELC-367578-9)		
π			FICATION SHEET PART						8M-7S-0. 25SHW (99		l	
ORM HD0011-		OSE EL	ECTRIC CO., LTD.		CODE	NO.	CL5	080	-3811-0-99	Δ	1/2	

	SPECIFICATIO	NS		
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ
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.	×	_
Resistance to soldering heat	 Reflow soldering: peak tmp. 250°C MAX. reflow tmp. over 230°C within 60 sec. Soldering irons: tmp. 350±10°C for 5±1 sec. 	No case-deformation and loose contacts. (note 5)	×	_

(note1)

This connector is back flip lock type, and top/bottom both contact points are available.

(note2)

Do not close the actuator before inserting FPC even after the connector is mounted onto a PCB.

Closing the actuator without FPC could make the contact gap smaller, which increases the FPC insertion force.

(note3)

If pull-up or pull-down force is exepected to be applied to the FPC, stabilize the FPC into PCB or other fixed components.

(note4)

There's a case which FPC retention force doesn't fulfill the value, because FPC specification affects the result of FPC retention force.

(note5)

Blisters which may be generated on the housing do not affect product performance.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWIN	NG NO.	ELC-367578-99-00		
HR	RS SPECIFICATION SHEET		PART NO. FH58M-7S-0. 25SHW (99				
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL580	-3811-0-99	Δ	2/2	