APPLICA	BLE STAN	DARD									
	OPERATING TEMPERATURE RANGE VOLTAGE CURRENT		-40 °C TO 105 °C 50 V AC / DC		STORAGE TEMPERATURE						
RATING						ATING OR STORAGE DITY RANGE		RELATIVE HUMIDITY 90 % MAX	(NOT D	NOT DEWED)	
			0.5 A (<i>note 1</i>)	APPL	ICABLE	CABLE	t=0.3±0.05mm, GOLD	PLATI	NG	
			SPEC	IFIC	ATIO	NS					
IT	EM		TEST METHOD				REC	QUIREMENTS	QT	AT	
	RUCTION										
	EXAMINATION		Y AND BY MEASURING IN	STRUM	IENT.	ACCO	RDING TO I	DRAWING.	×	×	
MARKING	IOAL OLIA		MED VISUALLY.						×	×	
	ICAL CHAP					50 mΩ MAX.			×	×	
CONTACT RESISTANCE		IIIIA(DC ON 1000MZ).			INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				^		
INSULATION		100 V DC.			500 MΩ MIN.			×	×		
RESISTANCE VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	×		
MECHAN	IICAL CHA	RACTE	RISTICS			1					
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			×	_		
VIBRATION		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.			×	_		
SHOCK		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	-		
		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		CTERISTICS		,	1				Į.	
RAPID CHANGE OF		TEMPERATURE-40→+15 _{TO} +35→+105→+15 _{TO} +35°C				① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX. ② INSULATION RESISTANCE: $50 \text{ M}\Omega$ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS			×	_	
TEMPERATURE		TIME $30 \rightarrow 2 \text{ to } 3 \rightarrow 30 \rightarrow 2 \text{ to } 3 \text{ min.}$ UNDER 5 CYCLES.									
DAMP HEAT (STEADY S		EXPOSED AT 40±2 °C,				OF PARTS.			×	_	
DAMP HEAT	,	RELATIVE HUMIDITY 90 TO 95 %, 96 h. EXPOSED AT -10 TO +65 °C,			① CONTACT RESISTANCE: 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) ④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 						
DRY HEAT		EXPOSED AT 105±2 °C, 96 h.			CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				 		
COLD		EXPOSED AT -40±3°C, 96 h.							1-		
CORROSION SALT MIST		EXPOSED AT 35±2 °C 5% SALT WATER SPRAY FOR 96 h.			① CONTACT RESISTANCE: 50 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.			×	-		
SULPHUR DIOXIDE [JIS C 60068-2-42]		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% , 25±5 ppm FOR 96 h.						×	-		
			D AT 40±2 °C , RELATIVE I 10 TO 15 ppm FOR 96 h.	HUMIDI	TY				×	_	
COUN	T DE	SCRIPTIC	ON OF REVISIONS		DESIG	NED		CHECKED	DA	DATE	
ZON REMARK						APPROVE	D NF. MIYAZAKI	16. 04. 21			
					CHECKED			16. 04. 2			
						DESIGNED					
Unless otherwise specified, re			efer to IEC 60512.			DRAWN		RN. IIDA	16. 02. 22		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test [DF	PRAWING NO. ELC-347552-9				0		
SPECIFICATION SHEET			PART		F	H52E-**S-0. 5SH (9		<u>۔ بہ ا</u>			
HIRO		OSE ELECTRIC CO., LTD. CC			CODE	DE NO.		CL580	<u> </u>	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:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC-347552-99-00		
HS.	SPECIFICATION SHEET	PART NO.	FH52E-**S-0. 5SH (99)			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	\triangle	2/2