	OPERATING		<b>↑</b> 40 °C TO 40	F °C	STORA	AGE		10°C TO 50°C (2) 0(50	00 ID	
	TEMPERATURE RANGE VOLTAGE		<b>⚠</b> -40 °C TO 105 °C		TEMPERATURE RAN			-10°CTO50°C(PACKED		
RATING			50 V AC / D		HUMIDIT	Y RANGE		RELATIVE HUMIDITY 90 % MAX	(NOT DE	EWE
CURRENT			0.5 A ( <b>note 1</b>	)	APPLIC	CABLE C	ABLE	t=0.3±0.05mm, GOLD PLATI		
			SPEC	IFICAT	ION	1S				
17	ГЕМ		TEST METHOD				REC	QUIREMENTS	QT	
CONSTR	RUCTION	- I			I.					<u> </u>
		VISUALL	VISUALLY AND BY MEASURING INSTRUMENT.   ACCORDING TO DRAWING.				×			
MARKING		CONFIRI	CONFIRMED VISUALLY.					×		
	IC CHARA									
CONTACT RESISTANCE		1mA(DC	1mA(DC OR 1000Hz).			50 mΩ	MAX.		×	
								FFC BULK RESISTANCE		
INSULATIO	N	100 V DC	100 V DC			(L=8mm) 500 MΩ MIN.			×	
RESISTANO	E		100 V DC.			300 IVIS2	ivili 4.		^	
VOLTAGE F	PROOF	150 V AC	150 V AC FOR 1 min. NO FLASHOVER			SHOVER	OR BREAKDOWN.	×		
MECHAN	NICAL CH	ARACTE	FRISTICS							
MECHANIC			S INSERTIONS AND EXTRA	ACTIONS.	(	① CON	NTACT RES	SISTANCE: 50 mΩ MAX.	×	
OPERATIO	N					② NO DAMAGE, CRACK AND LOOSENESS				
VIBRATION		FREGUE	FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE			OF PARTS.  ① NO ELECTRICAL DISCONTINUITY OF			×	-
VIBIOTION		0.75 mm	0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.			1 μs. ② CONTACT RESISTANCE: 50 m $\Omega$ MAX.			^	
SHOCK										
SHOCK			ES IN 3 BOTH AXIAL DIRE		(	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	
FPC RETEN	ITION FORCE		RED BY APPLICABLE FPC			_	_	NSERTION: 0.4×n N MIN	×	T
		,	CTOR,FPC AT INITIAL CO		(	( n : NU	MBER OF	CONTACTS).		
FN\/IRO	NMENTAL		ESS OF FPC SHALL BE t=0 ACTERISTICS	.3011111)						
RAPID CHA			RATURE-40→+15 <sub>TO</sub> +35→+1	05→+15 <sub>TO</sub> +	+35°C (	① CON	TACT RES	SISTANCE: 50 mΩ MAX.	×	
TEMPERAT	URE	TIME	30→ 2 TO 3 →		min.	2 INSI	JLATION F	RESISTANCE: 50 M $\Omega$ MIN.		
DAMP HEAT		UNDER 5 CYCLES.  EXPOSED AT 40±2 °C,			(	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				+
(STEADY S			/E HUMIDITY 90 TO 95	%, 96 h	h.	01 1	AITIO.		×	
DAMP HEA	T,CYCLIC	EXPOSE		65 °C,		_		SISTANCE: $50 \text{ m}\Omega$ MAX.	×	
			RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			<ul> <li>INSULATION RESISTANCE: 1 MΩ MIN.         (AT HIGH HUMIDITY)</li> <li>INSULATION RESISTANCE: 50 MΩ MIN.         (AT DRY)</li> <li>NO DAMAGE, CRACK AND LOOSENESS         OF PARTS.</li> </ul>				
					,					
DRY HEAT		EXPOSE	EXPOSED AT 105±2 °C, 96 h.			<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>			×	
COLD		EXPOSE	EXPOSED AT -40±3°C, 96 h.						×	Ì
CORROSIO	N SALT MIST		EXPOSED AT 35±2 °C 5% SALT WATER SPRAY			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				t
SULPHUR DIOXIDE		FOR 96 h.  EXPOSED AT 40±2 °C , RELATIVE HUMIDITY			(	② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF				+
			80±5%, 25±5 ppm FOR 96 h.			CONNECTOR.			×	
			D AT 40±2 °C , RELATIVE	HUMIDITY					×	t
[JIS	C 60068-2-43	3] 80±5% ,	10 TO 15 ppm FOR 96 h.							
COUN	IT D	ESCRIPTION	ON OF REVISIONS	П	DESIGN	NED		CHECKED	DA	LΤ
<u> </u>	<u> </u>		F-00000491		SG. MAS			HS. SAKAMOTO	15.0	
REMARK						APPROV				11.
							CHECKE	HS. SAKAMOTO	12. 1	11.
$\Delta$						DESIGNE	D SG. MASAKI	12. 1	11.	
Unless otherwise specified, refer to IEC 60512.				DRAWN		DRAWN	SS. NABAE	12. 11. 08		
Note QT:Qualification Test AT:Assurance Test X:Applicable Te			est	DRAW		3 NO.	ELC4-347552	-01		
וחר	0	DECIE	CATION SHEET	F	PARTI	NO		FH52E-**S-0. 5SH		
	, S	PECIFICATION SHEET		'						
<b>HS</b>		000 -	ECTRIC CO., LTD.		ODE			CL580	Δ	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 : 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:0	Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC4-347552-01		
HS	SPECIFICATION SHEET	PART NO.	FH52E-**S-0. 5SH			
1	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2