APPLICA	BLE STANI	DARD									
	OPERATING TEMPERATURI	E RANGE	-40 °C TO 105 °C STOR			PERATURE RANGE		,	-40 °C TO 105 °C (MOUNTED ON PCB)		
RATING	VOLTAGE		50 V	AC / E	OC		ating c ITY RANG	OR STORAGE BE	RELATIVE HUMIDITY 90 % MA	AX(NOT D	EWED)
	CURRENT		0.5 A ( <b>note 1</b> )		APPLI	ICABLE CABLE $t=0.3\pm0.05$ mm, GOLD PL			) PLATI	NG	
				SPEC	CIFIC	OITA	NS				
	EM		TEST N	/ETHOD				RE	QUIREMENTS	QT	АТ
	RUCTION	D. (IOLIALIA		U IDINIO I	NOTOLINA		14000	DDINIO TO	DD AMELO	×	×
			ISUALLY AND BY MEASURING INSTRUMENT.				ACCO	ACCORDING TO DRAWING.			
	ICAL CHAF									×	×
CONTACT RESISTANCE		RACTERISTICS   1mA(DC OR 1000Hz).				50 mΩ	50 mΩ MAX.			×	
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)					
INSULATION RESISTANC		100 V DC.				500 Mg	500 MΩ MIN.			×	
VOLTAGE P		150 V AC FOR 1 min.				NO FL	ASHOVER	OR BREAKDOWN.	×	×	
MECHAN	IICAL CHA	RACTE	RISTICS							<u> </u>	
		20 TIMES INSERTIONS AND EXTRACTIONS.				<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>				_	
0		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL				① NO ELECTRICAL DISCONTINUITY OF 1 µs.			×	_	
SHOCK 981 n		981 m/s <sup>2</sup>	DIRECTIONS.  981 m/s², DURATION OF PULSE 6 ms  AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				<ul> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ul>				-
(CONNE		(CONNEC	MEASURED BY APPLICABLE FPC. ONNECTOR, FPC AT INITIAL CONDITION. HICKNESS OF FPC SHALL BE t=0.30mm)			DIRECTION OF INSERTION: 0.4×n N MIN (n: NUMBER OF CONTACTS).			×	_	
ENVIRO	NMENTAL		CTERISTIC		-0.5011111	<u> </u>	1				1
RAPID CHANGE OF TEMPE			MPERATURE-40→+15 <sub>TO</sub> +35→+105→+15 <sub>TO</sub> +35°C			_				_	
L		UNDER 5 CYCLES.				<ul> <li>② INSULATION RESISTANCE: 50 MΩ MIN.</li> <li>③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> <li>① CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY)</li> <li>③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY)</li> <li>④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ul>					
		EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.							×	-	
DAMP HEAT, CYCLIC		RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.							N. I.	_	
DRY HEAT		EXPOSED AT 105±2 °C, 96 h.			① CONTACT RESISTANCE: 50 mΩ MAX.			(. ×	† <u> </u>		
COLD EXPOSE		EXPOSE	POSED AT -40±3°C, 96 h.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				†-
		EXPOSED AT 35±2 °C 5% SALT WATER SPRAY FOR 96 h.				CONTACT RESISTANCE: 50 mΩ MAX.     NO EVIDENCE OF CORROSION WHICH				-	
SULPHUR DIOXIDE EXPOS		EXPOSE	(POSED AT 40±2 °C , RELATIVE HUMIDITY ±5% , 25±5 ppm FOR 96 h.			AFFECTS TO OPERATION OF CONNECTOR.			×	-	
			POSED AT 40±2 °C , RELATIVE HUMIDITY ±5% , 10 TO 15 ppm FOR 96 h.						×	-	
COUN	T DE	SCRIPTIC	ON OF REVISION	IS		DESIG	NED		CHECKED	D/	ATE
0							_				
REMARK STORAGE TEMPERATURE RANGE			IGE IN THE EMBOSSED CARRIER TAR			IED TAF	APPROVEI				
: -10 TO +50 °C			IN THE EMBOSSED CANNER TAI			_	CHECKE			03. 24	
	+50 °C		er to JIS C 5402.						15. 03. 24 15. 03. 24		
		cified. ref	fer to JIS C 54	102.				DRAWN	HK KINULICHI	15 (	13 7/
Unless oth	nerwise spec				Test	DE	ξ Δ /Λ/ΙΝΙ	ı		L	
Unless oth	nerwise spec	t AT:Ass	fer to JIS C 54 surance Test X:Ap	pplicable	Test	DF PART	RAWIN	ı	ELC-363488- FH52E-* (*) SA-1S	-00-00	

SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	AT				
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:	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC-363488-00-00		
HS	SPECIFICATION SHEET	PART NO.	FH52E-*(*) SA-1SH			
1.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	$\triangle$	2/2