APPLICA	BLE STANI	DARD									
	OPERATING TEMPERATURE RANGE VOLTAGE CURRENT		-40 °C TO 105 °C		TEMP	STORAGE TEMPERATURE RANGE		-10°CTO 50°C (PACKED CON		MON)	
RATING			50 V AC / D	С	OPER HUMID		OR STORAGE E	RELATIVE HUMIDITY 90 % MAX	(NOT DI	(NOT DEWED)	
			0.5 A ( <b>note 1</b>	)	APPL	ICABLE	CABLE	t=0.3±0.05mm, GOLD	PLATI	NG	
			SPEC	IFIC	ATIO	NS					
IT	EM		TEST METHOD				REC	QUIREMENTS	QT	AT	
	UCTION										
	XAMINATION		Y AND BY MEASURING IN	ISTRUM	IENT.	ACCO	RDING TO I	DRAWING.	×	×	
MARKING	10 41 0114		MED VISUALLY.						×	×	
		RACTERISTICS			50 mΩ MAX.			Τ.,	Τ.,		
CONTACT RESISTANCE		IMA(DC OK 1000DZ).				INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)			×	×	
INSULATION		100 V DC.			500 Mg	·		×	×		
RESISTANCE VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	×		
MECHAN	IICAL CHA	RACTE	RISTICS								
MECHANICAL CHA MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>			×	_		
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.			<ol> <li>NO ELECTRICAL DISCONTINUITY OF         <ol> <li>μs.</li> </ol> </li> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> </ol>			×	_		
SHOCK		981 m/s <sup>2</sup> , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	-		
FPC RETEN	ITION FORCE	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		,	ı				Į.	
RAPID CHANGE OF		TEMPERATURE-40→+15 <sub>TO</sub> +35→+105→+15 <sub>TO</sub> +35°C				<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>INSULATION RESISTANCE: 50 MΩ MIN.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>			×	_	
TEMPERATURE		TIME $30 \rightarrow 2 \text{ to } 3 \rightarrow 30 \rightarrow 2 \text{ to } 3 \text{ min.}$ UNDER 5 CYCLES.							;		
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.							×	-	
DAMP HEAT	,	RELATIVE HUMIDITY 90 TO 95 %, 96 h.  EXPOSED AT -10 TO +65 °C,			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.			×	<del> </del>		
·		RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			<ul> <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>			3			
DRY HEAT		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		EXPOSED AT -40±3°C, 96 h.							1-		
CORROSION SALT MIST		EXPOSED AT 35±2 °C 5% SALT WATER SPRAY FOR 96 h.			<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.</li> </ol>			×	-		
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 I 0 TO 15 ppm FOR 96 h.	HUMIDI	TY	1			×	-	
COUN	T DE	SCRIPTIC	ON OF REVISIONS		DESIG	SIGNED CHECKED		DA	ATE		
ZUX  REMARK		I			APPROVED NF. MIYAZAKI			16 (	16. 04. 21		
<b></b>					CHECKED			16. 04. 2 16. 04. 2			
Unless otherwise specified, refer to IEC 60512.					DRAWN		RN. IIDA	16. 02. 22			
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DF	DRAWING NO. ELC-347552-9			0			
HS.		ZON 10/11/ON ONEZ						H52E-**S-0. 5SH (9		4 /2	
HIR HD0011-2-1		OSE ELECTRIC CO., LTD. CO			CODE	E NO. CL580		Δ	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:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-347552-99-00			
н	15	SPECIFICATION S	SHEET	PART NO.	FH52E-**S-0. 5SH (99)			
11.0	HIROSE ELECTRIC C	O., LTD.	CODE NO		CL580	$\triangle$	2/2	