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	OPERATING	E D	<b>↑</b> -40 °C	TO 10	5 °C	STOR			-1	0°CTO50°C(PACKE	CUND	ШОИ	
DATING	VOLTAGE		T LIVII		PERATURE RANGE RATING OR STORAGE		=	,					
RATING						-	ITY RANG ICABLE (		KEI	LATIVE HUMIDITY 90 % MAX	(NOI D	(NOT DEWED)	
	CURRENT		0.5	A (note)				JABLE	t	=0.3±0.05mm, GOLD	PLATI	NG	
				SPEC	IFICA		NS_						
	EM		TEST	METHOD				RE	QUIR	EMENTS	QT	Α	
	UCTION	h aou a			OTD. 11 151		1.000	25010 50			1		
	XAMINATION		Y AND BY MEAS	SURING IN	STRUME	NT.	ACCORDING TO DRAWING.			×	>		
MARKING	0.41		MED VISUALLY.								×	>	
	CAL CHAI			1 m A			F0 m0	MAX			1	Τ.	
JONTACT RESISTANCE		AC 20 mV MAX (1 KHz), 1 mA.			50 m $\Omega$ MAX.  INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)			×	,				
		100 V DC.				500 Mg	2 MIN.			×	>		
RESISTANC VOLTAGE P		150 V AC FOR 1 min.				NO FL	ASHOVER	OR F	BREAKDOWN.	×	>		
							1.1012	.55 7 LT	J. ( L		_ X		
MECHANICAL CHAI MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				-				
/IBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, — m/s <sup>2</sup> FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				<ol> <li>NO ELECTRICAL DISCONTINUITY OF 1 μs.</li> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> </ol>				-			
AT		AT 3 TII	981 m/s <sup>2</sup> , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			NS.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.						
(THICK)			EASURED BY APPLICABLE FPC.  HICKNESS OF FPC SHALL BE t=0.30mm  T INITIAL CONDITION.)			DIRECTION OF INSERTION: $0.3N \times n$ MIN. VERTICAL DIRECTION TO INSERTION: $0.2N \times n$ MIN. (n:NUMBER OF CONTACTS)				-			
		CHARA	CTERISTIC	S									
TEMPERATURE TIME		TIME UNDER	ME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min}$ NDER 5 CYCLES.			<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>				-			
DAMP HEAT (STEADY ST		EXPOSED AT 40±2°C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.							×	-			
DAMP HEAT, CYCLIC EX		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			<ul> <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>				-				
DRY HEAT	DRY HEAT		EXPOSED AT 105±2 °C, 96 h.			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				×	†-		
COLD		EXPOSED AT -40±3°C, 96 h.			② NO DAMAGE, CRACK AND LOOSENESS				×	†-			
CORROSIO	N SALT MIST	EXPOSED AT 35±2°C , 5 % SALT WATER SPRAY FOR 96 h.			OF PARTS.  ① CONTACT RESISTANCE: 50 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH				×	-			
SULPHUR DIOXIDE EX		] 80±5% ,	EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% ,25±5 ppm FOR 96 h.			AFFECTS TO OPERATION OF CONNECTOR.			×	-			
		] 80±5% ,	D AT 40±2 °C , 10 TO 15 ppm	FOR 96 h	HUMIDIT n.	Υ					×	-	
COUN	T DE		ON OF REVISION	NS		DESIG				CHECKED		DATE	
			S-F-00000943 RT. II						HS. SAKAMOTO		12. 2		
REMARK								APPROVE		MO. ISHIDA	09. (		
$\triangle$						CHECKE				09.01.2			
						DESIGNED HH. TSUKUMO				09.01.2			
Unless otherwise specified, refer to IEC 60512.  Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DRAWN HH. TSUKUMO			09. 01. 2					
			<u> </u>		est			ELC4-159298 H40-**S-0. 5SV	5-00				
<b>HS</b>		SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD.								CL580 2		1/	
ODM UDOO11		mode electric co., etc.			CODE NO		INU.		OLJOV Z		1/		



SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ					
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING PEAK TMP. 250 °C MAX . REFLOW TMP. OVER 230 °C WHITIN 60 sec. 2) SOLDERING IRONS : TMP. 350±5°C FOR 5±1 sec .	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_					
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±5 °C FOR IMMERSION DURATION, 2±0.5 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	_					

## (note)

WHEN THE SAME VALUE OF CURRENT ARE APPLID 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.	ELC4-159298-00		
HS	SPECIFICATION SHEET	PART NO. FH40-**S-0. 5SV				
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2