	APPLICA	BLE STANI	DARD										
		OPERATING TEMPERATURE		E A -40 °C TO 105 °C STOL			PERATURE RANGE		-	-10 °C TO 50 °C (PACKED CONDI		ITION)	
	RATING VOLTAGE			50 V AC / D	C	OPERATING O HUMIDITY RANGE		E	AGE	RELATIVE HUMIDITY 90 % MAX (NOT DEW			
		CURRENT	0.5 A (note)					ABLE CABLE t=0.3±0.05mm, GOLD P			PLATING		
				SPEC	CIFICA	TION	٧S						
		EM		TEST METHOD					REQL	IIREMENTS	QT	AT	
	CONSTRUCTION												
	GENERAL E MARKING	XAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				×	X	
Λ	_								×	×			
	ELECTRICAL CHAP		AC 20 mV MAX (1 KHz), 1 mA.			50 mΩ MAX.			×	×			
	INSULATION RESISTANCE					INCLUDING FPC,FFC BULK RESISTANCE							
			100 V DC.				500 Mg	2 MIN.			×	×	
	VOLTAGE P		150 V AC FOR 1 min.				NO FL	ASHOVI	ER OF	R BREAKDOWN.	×	×	
	_	MECHANICAL CHA									Т	1	
	MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			×	-			
Λ	VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE			JDE	① NO ELECTRICAL DISCONTINUITY OF			×	-		
			0.75 mm, — m/s ² FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				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.							
	FPC RETEN	TION FORCE	MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.30mm AT INITIAL CONDITION.)				DIRECTION OF INSERTION: 0.3N × n MIN. VERTICAL DIRECTION TO INSERTION: 0.2N × n MIN. (n:NUMBER OF CONTACTS)			×	-		
	ENVIRON	MENTAL	CHARACTERISTICS				(1		
	RAPID CHAN TEMPERATI		TEMPERATURE-40 \rightarrow +15To+35 \rightarrow +105 \rightarrow +15To+35°CTIME30 \rightarrow 2 TO 3 \rightarrow 30 \rightarrow 2 TO 3 minUNDER5CYCLES.			 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 50 MΩ MIN. NO DAMAGE, CRACK AND LOOSENESS 			×	-			
	DAMP HEAT EXPOSED AT 40±2			D AT 40±2°C,	0±2°C,		OF PARTS.				×	-	
	(STEADY ST DAMP HEAT	,	RELATIVE HUMIDITY 90 TO 95 %, 96 h. EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) NO DAMAGE ODACK AND LODOENED 				×			
		,											
						④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.							
Δ	COLD		EXPOSE				 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS 				×	-	
			EXPOSED AT $-40\pm3^{\circ}$ C, 96 h.				OF PARTS.				×		
	CORROSION SALT MIST		EXPOSED AT 35±2°C , 5 % SALT WATER SPRAY FOR 96 h.				 CONTACT RESISTANCE: 50 mΩ MAX. NO EVIDENCE OF CORROSION WHICH 				×	—	
⚠		ULPHUR DIOXIDE EXPOSED AT 40 ± 2 °C , RELATIVE HUMIDITY AFFECTS TO OPERATION C [JIS C 60068-2-42] 80±5% ,25±5 ppm FOR 96 h. CONNECTOR.			ERATION OF	×	—						
⚠			EXPOSE	D AT 40±2 ℃,RELATIVE 10 TO 15 ppm FOR 96		Y					×	-	
	COUN	T DE	SCRIPTIC	ON OF REVISIONS		DESIG	NED			CHECKED	DA	ΑTE	
	Å 11		DIS-	F-00000943		RT. IK	EDA			HS. SAKAMOTO	15.1	12.24	
	REMARK	MARK					APPROVED CHECKED DESIGNED			MO. ISHIDA		01.21	
	\triangle								YN. TAKASHITA HH. TSUKUMO	09.01.20 09.01.20			
		erwise spec	ified. ref	fer to IEC 60512.			DRAWN			HH. TSUKUMU HH. TSUKUMO)1.20	
			-			DF	RAWING NO.			ELC4-159298-			
	HRS		PECIFI	CIFICATION SHEET			ART NO.			FH40-**S-0. 5SV			
	FORM HD0011-		OSE EI	OSE ELECTRIC CO., LTD. CODE			NO.			CL580	ላ	1/2	

FORM HD0011-2-1

	SPECIFICATIONS								
	ITEM	TEST METHOD	REQUIREMENTS	QT	AT				
	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.	×					
c,	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.	×	-				

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(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		
HRS	SPECIFICATION SHEET	PART NO.	FH40-**S-0. 5SV			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2
FORM HD0011-	-2-2					