	APPLICA	BLE STANI	DARD									
		OPERATING TEMPERATUR	E RANGE	△ -40 °C TO 105 °C		TEMP	ORAGE IMPERATURE RANGE ERATING OR STORAGE		-10 °C TO 50 °C (PACKED CONDITION)			
	RATING	VOLTAGE		50 V	AC / D	С	HUMID	ITY RANG	E	RELATIVE HUMIDITY 90 % MAX	(NOT DE	EWED)
		CURRENT		0.5	A (note)		APPL	ICABLE	CABLE	t=0.3±0.05mm, GOLD	PLATING	
		•		SPECIFICATIONS								
	IT	EM		TEST N	METHOD				REC	UIREMENTS	QT	AT
	CONSTR		•								•	
		XAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.			×	×	
•	MARKING		CONFIRMED VISUALLY.							×	×	
Δ		LECTRICAL CHAP		RACTERISTICS AC 20 mV MAX (1 KHz), 1 mA.				50 mΩ MAX.				×
	INSULATION		7.5 25 HT W/X (1 11/2) , 1 H/X .				INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)					
			100 V DC.				500 MΩ MIN.				×	
	RESISTANC VOLTAGE P		150 V AC	150 V AC FOR 1 min.				NO FL	ASHOVER (OR BREAKDOWN.	×	×
		ICAL CHA	RACTE	RISTICS							1 ^	<u> </u>
	MECHANICA OPERATION	\L	20 TIMES INSERTIONS AND EXTRACTIONS.				 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				_	
lack	VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE			JDE	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.					
\triangle	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.					
lack	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					,	ı			
Δ	RAPID CHAN TEMPERATU		TEMPERATURE- $40 \rightarrow +15 \text{To} +35 \rightarrow +105 \rightarrow +15 \text{To} +35 ^{\circ}\text{C}$ TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min}$ UNDER 5 CYCLES. EXPOSED AT $40 \pm 2 ^{\circ}\text{C}$, RELATIVE HUMIDITY 90 TO 95 %, 96 h. EXPOSED AT -10 TO +65 $^{\circ}\text{C}$, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES, TOTAL 240 h.				 ① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS 			×	_	
	DAMP HEAT (STEADY ST						OF PARTS. ① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN.				-	
	DAMP HEAT	,CYCLIC									_	
							(AT DRY) 4 NO DAMAGE, CRACK AND LOOSENESS					
Δ	DRY HEAT		EXPOSED AT 105±2 °C, 96 h.					OF PARTS. ① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.			×	<u> </u>
<u> </u>	COLD		EXPOSED AT -40±3°C, 96 h.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				_	
	CORROSION SALT MIST		EXPOSED AT 35±2°C, 5 % SALT WATER SPRAY FOR 96 h.			PRAY	 CONTACT RESISTANCE: 50 mΩ MAX. NO EVIDENCE OF CORROSION WHICH 			×	-	
\triangle	SULPHUR D		EXPOSE	EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% ,25±5 ppm FOR 96 h.				AFFECTS TO OPERATION OF CONNECTOR.				-
\triangle	HYDROGEN	HYDROGEN SULPHIDE EXPOSED AT 40±2 °C , RELATIVE HUMIDITY [JIS C 60068-2-43] 80±5% ,10 TO 15 ppm FOR 96 h.					×	_				
	COUN	COUNT DESCRIPTION OF REVISIONS DESIGNED			CHECKED	DA	TE					
	1 1		DIS-	DIS-F-00000943 RT. I			RT. IK	KEDA HS. SAKAMOTO			15. 1	2. 24
	REMARK	REMARK			·		APPROVED CHECKED DESIGNED DRAWN			09. 01. 2 09. 01. 2		
	\triangle	⚠ Unless otherwise specified, refer to IEC 60512.										
										HH. TSUKUMO HH. TSUKUMO	09. 01. 2	
	Note QT:Qualification Test AT:Assurance To						DF	RAWING NO.		ELC4-159298-		20
	ЖS	SI	PECIFI	FICATION SHEET PAF			PART	RT NO.		FH40-**S-0. 5SV		
	FORM HD0011-		OSE EI	ECTRIC CC)., LTD.		CODE	NO.		CL580	Δ	1/2



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:C	Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC4-159298-00		
HS	SPECIFICATION SHEET	PART NO.		FH40-**S-0.5SV		
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Α	2/2