	APPLICA	BLE STANI	DARD									
		OPERATING TEMPERATURE RAN RATING VOLTAGE		▲ -40 °C TO 105 °C			PERATURE RANGE		-	-10 °C TO 50 °C (PACKED CONDI		
	RATING			50 V AC / D	C	OPERATING O HUMIDITY RANGE		E	AGE	RELATIVE HUMIDITY 90 % MAX (NOT DEW		
		CURRENT	0.5 A (note)				LICABLE CABLE $t=0.3\pm0.05$ mm, 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 CHAR CONTACT RESISTANCE		AC 20 mV MAX (1 KHz), 1 mA.			50 mΩ MAX.				×	×	
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)						
	INSULATION RESISTANC		100 V DC.				500 MΩ MIN.				×	×
	VOLTAGE P			FOR 1 min.			NO FL	ASHOVI	ER OF	R BREAKDOWN.	×	×
	_		RACTERISTICS								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 μ s. (2) CONTACT RESISTANCE: 50 m Ω 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.			3 min	 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 50 MΩ MIN. NO DAMAGE, CRACK AND LOOSENESS 				×	-
			EXPOSED AT 40±2°C,			OF PARTS.				×	-	
	(STEADY ST DAMP HEAT	,	RELATIVE HUMIDITY 90 TO 95 %, 96 h. EXPOSED AT -10 TO +65 °C.				① CONTACT RESISTANCE: 50 mΩ MAX.				×	
		,	RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.				 ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) 					
						④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.						
Δ	DRY HEAT COLD			EXPOSED AT 105±2 °C, 96 h. EXPOSED AT -40±3°C, 96 h.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS 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 				×	—
⚠				OSED AT 40±2 ℃ , RELATIVE HUMIDITY 5% ,25±5 ppm FOR 96 h.			AFFECTS TO OPERATION OF CONNECTOR.				×	-
⚠			EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% ,10 TO 15 ppm FOR 96 h.			Y					×	-
	COUN	T DE	SCRIPTIC	ON OF REVISIONS		DESIG	NED			CHECKED	DA	ΑTE
	∆ 11		DIS-F-00000943 RT. II			RT. IK				15.1	12.24	
	REMARK					APPROVE					01.21	
	\triangle					CHECKE					09.01.20 09.01.20	
	Unless otherwise specified, re			efer to IEC 60512.			DRAWN			HH. TSUKUMU HH. TSUKUMO)1.20
			-				RAWING NO.			ELC4-159298-0		
	HRS	SF	PECIFI	FICATION SHEET PART			「 NO.			FH40-**S-0.5SV		
	FORM HD0011-		OSE EI	DSE ELECTRIC CO., LTD. CODE			NO.			CL580	ላ	1/2

FORM HD0011-2-1

	SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	A					
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.	×	-					

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		
RS	SPECIFICATION SHEET	PART NO.	FH40-**S-0. 5SV			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2
EODM HDOO11_	0.0					

⚠

FORM HD0011-2-2