APPLICA	BLE STAN	DARD	\triangle								
OPERATING TEMPERATURE		RE RANGE	-40°C TO 105°C(<i>note</i>	3 10 105°C(note1) _{RANGE}				-10	0°CTO50°C (PACKED CONDITION)		
RATING	VOLTAGE		50 V AC / DC	ı	HUMIDITY RANGE		RAGE	RELA	TIVE HUMIDITY 90 % MAX (NO	TDEWE	ED)
CURRENT			0.5 A (note2)		APPLICABLE (CABLE		t=0.3±0.05mm, GOLD PLA			
							(GND	PLATE: t=0.5±0.05mm, TII	N PLAT	ING)
			SPEC	IFI	CATIOI	NS					
l-	TEM		TEST METHOD					REQU	IREMENTS	QT	АТ
CONSTR	RUCTION	1								1	
		VISUALL	Y AND BY MEASURING IN	STRU	UMENT.	ACCO	RDING 1	O DR	AWING.	×	×
MARKING		CONFIR	MED VISUALLY.							×	×
ELECTR	ICAL CHA	RACTE	RISTICS							<u> </u>	
VOLTAGE F			C FOR 1 min.			NO FL	ASHOVE	R OF	BREAKDOWN.	×	×
INSULATION RESISTANCE		100 V DC.				500 MΩ MIN.				×	×
CONTACT F	RESISTANCE	AC 20 mV MAX (1 KHz) , 1 mA .				100 mg	2 MAX.			×	×
						INCLUDING FFC BULK RESISTANCE (L=8mm)					
MECHAN	NICAL CHA	RACTE	FRISTICS			(L Omin	<u>'</u>			1	
VIBRATION			ENCY 10 TO 55 Hz, HALF	- AMI	PLITUDE	① NO	FI FCTI	RICAL	DISCONTINUITY OF	×	Τ_
		0.75 mm, - m/s ² FOR 10 CYCLES IN				1 μs.					
0110011			3 AXIAL DIRECTIONS.				② CONTACT RESISTANCE: 100 mΩ MAX.				
SHOCK			981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				DAMAG PARTS.		RACK AND LOOSENESS		
MECHANIC			TIMES INSERTIONS AND EXTRACTIONS.			_		T RESISTANCE: 100 mΩ MAX.			_
OPERATION						② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
		MEASURED BY APPLICABLE FPC. (THICKNESS OF FFC SHALL BE t=0.30mm			DIREC	TION O	F INSI	ERTION: 0.3N×n MIN	. ×	-	
			AL CONDITION.)								
_		CHARA	ACTERISTICS								
TEMPERATURE 🗘		TEMPERATURE-40 \rightarrow +15 τ 0+35 \rightarrow +105 \rightarrow +15 τ 0+35 $^{\circ}$ C TIME 30 \rightarrow 2 τ 0 3 \rightarrow 30 \rightarrow 2 τ 0 3 min UNDER 5 CYCLES.				$\stackrel{\circ}{\mathbb{Z}}$ INSULATION RESISTANCE: 50 M Ω MIN.				-	
DAMP HEA			XPOSED AT 40±2°C.				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
(STEADY S	=	RELATIVE HUMIDITY 90 TO 95 %, 96 h.					, , , , , , ,			×	-
	DAMP HEAT,CYCLIC		EXPOSED AT -10 TO +65 °C,				① CONTACT RESISTANCE: 100 mΩ MAX.				_
			RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.				② INSULATION RESISTANCE: 1 MΩ MIN.				
DRY HEAT /\		TO CICLES, TOTAL 240 II.				(AT HIGH HUMIDITY) $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $					
							NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
		EXPOSED AT 105±2 °C, 96 h.				① CONTACT RESISTANCE: 100 mΩ MAX				/ \	
DRY HEAT /1\ COLD		EXPOSED AT -40±3°C, 96 h.				② NO DAMAGE, CRACK AND LOOSENESS					+-
0025		EXT OSED AT -40±3 C, 90 H.			OF PARTS.				^		
COUN	NT DI	ESCRIPTION	ON OF REVISIONS		DESIG	NFD			CHECKED	DA	ATE
7			-F-00001058		HK. KIN			HS. SAKAMOTO		1	02. 02
ZIN / REMARK		D13	1 00001030		IIIV. IVIIIV	00011	APPRO	WED		1	
I VEIVI/ II VI V							CHEC		MO. ISHIDA YN. TAKASHITA		07. 07 07. 07
							DESIG		YK. OTSUKA	+	07. 07 07. 07
Unless of	herwise spe	cified re	fer to IEC 60512 🐧				DRA		YK. OTSUKA		07. 07 07. 07
Unless otherwise specified, refer to IEC 60512. 🖄 Note QT:Qualification Test AT:Assurance Test X:Applicate				Test				ELC4-325208	i		
жs	S	SPECIFICATION SHEET			PART	PART NO. FH4		H41-**S-0. 5SH (05)			
	HIR	OSEE	LECTRIC CO., LTD. CO			E NO.			CL580		1/2
	1				1						i

SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	AT				
CORROSION SALT MIST	EXPOSED AT $35\pm2^{\circ}\text{C}$, 5 % SALT WATER SPRAY FOR 96 h.	 CONTACT RESISTANCE: 100 mΩ MAX. NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF 	×	1				
SULPHUR DIOXIDE (JIS C 60068-2-42)	EXPOSED AT 40 ± 2 °C , RELATIVE HUMIDITY $80\pm5\%$,25 ±5 ppm FOR 96 h.	CONNECTOR. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	ı				
	EXPOSED AT 40 ± 2 °C , RELATIVE HUMIDITY $80\pm5\%$,10 TO 15 ppm FOR 96 h.	OF FARTS.	×	ı				
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.	×	1				
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING PEAK TMP. 250 °C MAX. REFLOW TMP. OVER 230 °C WITHIN 60 sec. 2) SOLDERING IRONS: TMP. 350±10°C FOR 5±1 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×					

<u>1</u> (note1)

FOLLOW THE SPECIFICATIONS OF FFC IF IT'S ALLOWABLE MAXIMUM OPERATING TEMPERATURE IS BELOW 105°C.

(note2)

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	IG NO.	ELC4-325208-00		
SH.	SPECIFICATION SHEET	PART NO.	FH41-**S-0. 5SH(05)			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2