APPLICA	BLE STANI	DARD										
	OPERATING TEMPERATUR	E RANGE	-40°C TC) 105°C(<i>no</i>	te1) _F	STORAGE TE RANGE			-10	°C TO 50°C (PACKED CON	IDMOI	N)
RATING	VOLTAGE CURRENT		50 V	AC / DC	H	PERATING C	E	RAGE	RELA	ТІVЕНИМІДІТУ 90 % МАХ (NOT	DEWE	ED)
			0.5 A (<i>note2</i>)		A	(PPLICABLE	CABLE	t=0.3±0.05mm, GO		0.3±0.05mm, GOLD PLA PLATE: t=0.5±0.05mm, TIN		
				SPE	CIFIC	CATIO	NS.					10.,
IT	EM		TE	ST METHOD			 	F	REQU	IREMENTS	QT	AT
CONSTR	UCTION	<u> </u>					L			<u>-</u>	1	1
GENERAL E	XAMINATION	VISUALL	Y AND BY N	MEASURING I	NSTRU	MENT.	ACCOF	RDING T	O DR	AWING.	×	×
MARKING		CONFIRM	/IED VISUAL	LY.							×	×
	CAL CHAP											
VOLTAGE PI	ROOF	150 V AC	FOR 1 min.				NO FLA	ASHOVE	ROR	BREAKDOWN.	×	×
INSULATION		100 V DC	100 V DC.				500 MΩ	MIN.			×	×
RESISTANCI		AC 20 m\	/ MAX (1 KI	Hz) 1 mA			100 mC	MAX			×	×
001111101111	20101711402	AC 20 mV MAX (1 KHz), 1 mA.				100 mΩ MAX. INCLUDING FFC BULK RESISTANCE				^	^	
						(L=8mm)		ОВО	LITTLOIGTANGE			
MECHAN	IICAL CHA	RACTE	RISTICS	}							ı	
VIBRATION				D 55 Hz, HAI			① NO	ELECTF	RICAL	DISCONTINUITY OF	×	—
				FOR 10 C	YCLES	IN	1 μs. ② CONTACT RESISTANCE: 100 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS					
SHOCK			DIRECTION		- 6 ms							
OHOOK			981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				OF PARTS.					
MECHANICAL 20 OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE: 100 mΩ MAX.			×	T —		
						② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.						
FEC RETENTION FORCE MEAS		MEASUR	EASURED BY APPLICABLE FPC.			DIRECTION OF INSERTION: 0.3N×n MIN.			×	+_		
(TH		(THICKN	(THICKNESS OF FFC SHALL BE t=0.30mm AT INITIAL CONDITION.)			DIITEO	1101101	IIVOL	O.OIVATI WIIIV.	^		
ENVIRON	MENTAL	CHARA	CTERIS	TICS								
TEMPERATURE 📥 TIM		TIME	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.			(1) CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX. (2) INSULATION RESISTANCE: $50 \text{ M}\Omega$ MIN. (3) NO DAMAGE, CRACK AND LOOSENESS				×	-	
DAMP HEAT		EXPOSED AT 40±2°C,				OF PARTS.				×	_	
(STEADY STATE)		RELATIVE HUMIDITY 90 TO 95 %, 96 h.				© CONTACT DECICTANCE: 100 TO MAY						
DAMP HEAT,CYCLIC		10 CYCLES,TOTAL 240 h.			$ \begin{array}{llllllllllllllllllllllllllllllllllll$			×				
DRY HEAT		EXPOSE	D AT 105	5±2°C, 96	h.		① CONTACT RESISTANCE: 100 mΩ MAX.			×	1-	
COLD		EXPOSED AT -40±3°C, 96 h.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	_			
COUN	T DE	SCRIPTION OF REVISIONS			DESIG	DESIGNED		CHECKED			DATE	
7		DIS-	F-00001058			HK. KINO	DUCHI			HS. SAKAMOTO	16. 02. 02	
REMARK								APPRO	VED	MO. ISHIDA	09.0	07. 07
							CHECKED DESIGNED		KED	YN. TAKASHITA	09. 07.	
									NED	D YK. OTSUKA		07. 07
Unless otherwise specified, refer to IEC 60512			60512.	<u> </u>		DRAWN		YK. OTSUKA	09. 07. 07			
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DF	PRAWING NO. ELC4-325208			-00					
	LRS SPECIFICATION SHEET					NO. FH41-**S-0. 5SH ((
нs	SF	PECIFI	CATION	SHEET		PART	NO.		FH	41-**S-0. 5SH(05))	

	SPECIFICATIO	NS		
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 	×	_
SULPHUR DIOXIDE [JIS C 60068-2-42]	EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% ,25±5 ppm FOR 96 h.	CONNECTOR. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	_
	EXPOSED AT 40 ± 2 °C , RELATIVE HUMIDITY $80\pm5\%$,10 TO 15 ppm FOR 96 h.	OF PARTS.	×	-
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.	×	_
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.	×	_

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