APPLICA	BLE STAN	DARD										
OPERATING			-55 °C	TO 85	5 °C		STORAGE –			-10°CTO 50°C (PACKED CONDITION)		
RATING	VOLTAGE		50 V	AC / DO		OPER	OPERATING OR STOP HUMIDITY RANGE		=	RELATIVE HUMIDITY 90 % MAX (NOT DEW		
	CURRENT		0.5 A	(note 1)		LICABLE			t=0.2±0.03mm, GOLD P	ΙΔΤΙΙ	NG
	CORRELATI			SPEC		OITA	NS			(1-0.2 ± 0.0011111, 002D 1		110
IT	EM			METHOD	11 10/	1110		RE(REMENTS	QT	AT
CONSTR			TEST IV	ILTHOD				IXL	QUI	KLIVILIVIO	QΙ	Ι Λ Ι
		VISUALL	Y AND BY MEAS	SURING IN	STRUM	ENT.	ACCO	RDING TO	DR	AWING.	×	×
MARKING CONFIR			NFIRMED VISUALLY.							×	×	
ELECTR	ICAL CHAI	RACTE	RISTICS									1
VOLTAGE P	ROOF	150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				×	×	
INSULATION RESISTANCE		100 V DC.				500 MΩ MIN.			×	×		
		AC 20 mV MAX (1 KHz), 1 mA.				100 mΩ MAX.				×	×	
, , , , , , , , , , , , , , , , , , ,		, , , , ,				INCLU	DING FPC.	.FF(C BULK RESISTANCE			
						(L=8mm		,				
	IICAL CHA										ı	1
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, - m/s ² FOR 10 CYCLES IN 3 AXIAL				_		CAL	DISCONTINUITY OF	×	_	
		DIRECTIONS FOR 10 CYCLES IN 3 AXIAL				1 μs. ② CONTACT RESISTANCE: 100 m Ω MAX.						
SHOCK			, DURATION C				③ NO DAMAGE, CRACK AND LOOSENESS			×	_	
MECHANICAL			ES IN 3 BOTH A				OF PARTS. ① CONTACT RESISTANCE: 100 mΩ MAX.			×	_	
OPERATION					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			^	_			
FPC RETEN	TION FORCE					_	① DIRECTION OF INSERTION: 0.15N×n MIN.			×	_	
		(THICKNESS OF FPC SHALL BE t=0.20mm AT INITIAL CONDITION.)				2 VEI	② VERTICAL DIRECTION OF INSERTION: 0.15N×n MIN. (note 2)					
LOCK OPERATION FORCE		MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.20mm AT INITIAL CONDITION.)				① CLO	OSING FOR	RCE		×	_	
									× n MAX. (4 ~ 8 POS.)			
		AT INITIA	AL CONDITION.)				② OP	0. ENING FO		× n MAX. (9 ~ 50 POS.) ≣ : 0.05N × n MIN.		
ENVIRO	NMENTAL	CHARA	ACTERISTIC	S			<u> </u>			2. 0.0014**11111111.		I .
CORROSIO	N SALT MIST	EXPOSED AT 35 °C , 5 % SALT WATER SPRAY				_			TANCE: 100 mΩ MAX.	×	_	
		FOR 9	l6 h.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
						3 NO EVIDENCE OF CORROSION WHICH						
						AFFECTS TO OPERATION OF						
RAPID CHANGE OF T		TEMPERATURE-55→+15T0+35→+85→			CONNECTOR. ① CONTACT RESISTANCE: 100 mΩ MAX.				×	l		
TEMPERATURE DAMP HEAT		+15то+35°С			 ② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 							
		TIME $30 \rightarrow 2\text{TO}3 \rightarrow 30 \rightarrow 2\text{TO}3 \text{ min}$ UNDER 5 CYCLES. EXPOSED AT 40 °C.										
									×	_		
(STEADY S	,		E HUMIDITY	90 TO 95		6 h.	0					
DAMP HEAT	CYCLIC	EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %.			 CONTACT RESISTANCE: 100 mΩ MAX. INSULATION RESISTANCE: 1 MΩ MIN. 				×	_		
		10 CYCLES,TOTAL 240 h.			(AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN.							
						(AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS						
								PARTS.				
COUN	T DE	SCRIPTION	ON OF REVISION	NS		DESIG	SNED			CHECKED	DATE	
0												
REMARK			refer to IEC 60512			APPROVED CHECKED DESIGNED DRAWN		-+	NF.MIYAZAKI	16. 03. 31 16. 03. 30		
								-	YH. MICHIDA			
									KN. KOBAYASHI		3. 30	
Unless otherwise specified, refe							1		RN. I IDA	16. 03. 24		
					PRAWING NO. ELC-155218-99 T NO. FH19C-**S-0. 5SH (99)			
HS.		OF EOII TO/TITOIN OFFEET								1		
	HIR	HIROSE ELECTRIC CO., LTD.				CODE	DE NO. CL580			0	1/2	

		110		
	SPECIFICATIO	NS		
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ
DRY HEAT	EXPOSED AT 85 °C, 96 h.	① CONTACT RESISTANCE: 100 mΩ MAX.	×	_
COLD	EXPOSED AT -55°C, 96 h.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	_
SULPHUR DIOXIDE [JIS C 60068-2-42]	EXPOSED AT 40 °C , RELATIVE HUMIDITY 80% , 25 ppm FOR 96 h.	① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX. ② NO DAMAGE, CRACK AND LOOSENESS	×	_
	EXPOSED AT 40 °C , RELATIVE HUMIDITY 80% , 10 TO 15 ppm FOR 96 h.	OF PARTS. ③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.	×	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 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 ± 5 °C FOR 5 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_

(note 1)

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 2)

THIS PRODUCT HAS FLIP-LOCK CONSTRUCTION. FASTEN FPC ON PCB OR SOMETHING FIXED IF FORCE IN VERTICAL DIRECTION SHALL BE PREDICTED.

Note QT:	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC-155218-99-00			
HS	SPECIFICATION SHEET		FH19C-**S-0. 5SH(99)				
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580		2/2	