APPLICA	BLE STA	NDARD									
OPERATING			-55 °C TO 85 °C STO		RAGE		-10°CTO50°C(PACKEDCONDITION)				
RATING	VOLTAGE		50 V AC/D		OPERATING OR		OR STORAGE	RELATIVE HUMIDITY 90 % MAX (NOT DEV			
			HJ.			VIDITY RANGE PLICABLE CABLE		t-0.2 0.02mm 0.01	D DI ATI	INO.	
	CURRENT		0.5 A (note 1	<u> </u>		NIC		t=0.2±0.03mm, GOI	D PLATI	ING	
			SPEC	IFICE	1110	11/2			1	. 1	
	ITEM CONSTRUCTION		TEST METHOD			REQUIREMENTS		QT	AT		
			Y AND BY MEASURING IN	STRUME	INT	IACCO	SDING TO I	DRAWING	T x	Τ×	
MARKING	20 ((1))		VISUALLY AND BY MEASURING INSTRUMENT. CONFIRMED VISUALLY.			ACCORDING TO DRAWING.			×		
	IC CHAE	RACTERI							^	1^	
VOLTAGE F						NO FLASHOVER OR BREAKDOWN.			T x	T ×	
INSULATION		100 V DC	100 V DC.			500 MΩ MIN.			×	+	
RESISTANCE											
CONTACT RESISTANCE		E AC 20 m\	AC 20 mV MAX (1 KHz), 1 mA.				2 MAX.		×	×	
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)					
MECHAN	VICAL C	HARACTI	ERISTICS			1	,			-	
VIBRATION			NCY 10 TO 55 Hz, HALF		UDE	① NO	ELECTRIC	AL DISCONTINUITY OF	×	1-	
		1 '	0.75 mm, - m/s ² FOR 10 CYCLES IN				1 μs.				
SHOCK			3 DIRECTIONS. 981 m/s ² , DURATION OF PULSE 6 ms				② CONTACT RESISTANCE: 100 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS				
		AT 3 TI	AT 3 TIMES IN 3 DIRECTIONS.			OF PARTS.					
MECHANICA OPERATION		20 TIMES	20 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 100 mΩ MAX.				-	
OI EKATIOI	•					OF PARTS.					
FPC RETEN	ISION FOR		MEASURED BY APPLICABLE FPC.				① DIRECTION OF INSERTION: 0.15N×n MIN.				
		,	ESS OF FPC SHALL BE t=(0.20mm		2 VEF	RTICAL DIF	RECTION OF INSERTIO			
LOCK OPER	RATION		AT INITIAL CONDITION.) MEASURED BY APPLICABLE FPC.				0.15N×n MIN. (note 2) ① CLOSING FORCE:			+	
FORCE		(THICKN	(THICKNESS OF FPC SHALL BE t=0.20mm				0.3N $ imes$ n MAX. (4 \sim 8 POS.)				
		AT INITIA	AL CONDITION.)					.1N $ imes$ n MAX. (9 \sim 50 P			
ENVIRO	NMENTA		ACTERISTICS			I@ OPI	ENING FOR	RCE: 0.05N×n M	IIN.		
			DAT 35 °C , 5 % SALT W/	ATER SP	RAY	I⊕ co	NTACT RE	SISTANCE: 100 mΩ M	AX. ×	1_	
			, ·				② NO DAMAGE, CRACK AND LOOSENESS				
							OF PARTS. NO EVIDENCE OF CORROSION WHICH				
						AFFECTS TO OPERATION OF					
DADID OLIA	NOE OF	TEMBER				CONNECTOR.					
RAPID CHANGE OF TEMPERATURE			TEMPERATURE-55 \rightarrow +15To+35 \rightarrow +85 \rightarrow +15To+35 $^{\circ}$ C TIME 30 \rightarrow 2 \sim 3 \rightarrow 30 \rightarrow 2 \sim 3 min			① CONTACT RESISTANCE: 100 m Ω MAX. ② INSULATION RESISTANCE: 50 M Ω MIN.				-	
		UNDER					NO DAMAGE, CRACK AND LOOSENESS				
DAMP HEAT		1	EXPOSED AT 40 °C,			OF PARTS.				-	
(STEADY STATE) DAMP HEAT,CYCLIC			RELATIVE HUMIDITY 90 TO 95 %, 96 h. 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.					
		10 CYC				(AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN.					
						1	AT DRY)	VEGIO 17 (140E. 30 18122 1811	'\.		
						1		CRACK AND LOOSENE	ss		
						OF	PARTS.				
COUN	т	DESCRIPTION	ON OF REVISIONS		DESIG	NED		CHECKED	D,	ATE	
0											
REMARK			,			APPROVE		ED RI.TAKAYASU	05.	10.17	
						CHECKED		D HY.KISHI	05.	10.14	
						DESIGNED		D KK.FURUKAWA	05.	10.12	
Unless otherwise specified, refer to JIS C 5402			fer to JIS C 5402.	1		DRAWN		KK.FURUKAWA	05.	05.10.12	
Note QT:Q	ualification ⁻	Γest AT:Ass	urance Test X:Applicable Te	st	DI	PRAWING NO. ELC4-15521			18-02	•	
HS.		SPECIFICATION SHEET PAR			PART	FH19C-**S-0. 5SH(1			(10)	0)	
11.	117				CODE	DDE NO.		CL580	Δ	1/2	
						_ , , , , ,		02000	<u> </u>		

SPECIFICATIONS							
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.	×	_			
SURPHUR DIOXIDE [JIS C 0090]	EXPOSED AT 40 °C , RELATIVE HUMIDITY 80% , 25 PPM FOR 96 h.	 ① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS 	×				
	EXPOSED AT 40 °C , RELATIVE HUMIDITY 80% , 10 \sim 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. 230 °C MIN FOR 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:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC4-155218-02		
HS.	SPECIFICATION SHEET	PART NO.	FH19C-**S-0. 5SH(10)			
117	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2