APPLICA	BLE STAN	DARD										
OPERATING TEMPERATURE RANGE			-55 °C TO 85	5 °C		STORAGE TEMPERATURE RANGE		-10℃	-10°CTO 50°C (PACKED CONDITION)			
RATING	VOLTAGE CURRENT		50 V AC / DC OPER		DATING OF STOPAGE		RELATIM	RELATIVE HUMIDITY 90 % MAX (N		NOT DEWED)		
			0.5 A (note 1	1)	APPLICA		CABLE	t=0.3	t=0.3±0.03mm, GOLD P			
			SPEC	IFICA	TIO	NS						
ITI	EM		TEST METHOD				RE	QUIREME	ENTS	QT	AT	
CONSTR		T							_	1		
			ALLY AND BY MEASURING INSTRUMENT. FIRMED VISUALLY.			ACCO	RDING TO	DRAWIN	G.	×	×	
MARKING ELECTRI										×	×	
VOLTAGE PI		RACTERISTICS 150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				X	×	
INSULATION RESISTANCE		100 V DC.			500 MΩ MIN.				×	×		
		AC 20 mV MAX (1 KHz) , 1 mA .				100 mg	2 MAX.			×	×	
					INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)							
_	ICAL CHA					1 -					_	
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, — m/s ² FOR 10 CYCLES IN				NO ELECTRICAL DISCONTINUITY OF				×	-	
		3 AXIAL DIRECTIONS.				1 μs. ② CONTACT RESISTANCE: 100 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.				×			
MECHANICAL		20 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX.				. ×	 		
OPERATION	I				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				8			
FPC RETEN	TION FORCE	MEASURED BY APPLICABLE FPC.			① DIRECTION OF INSERTION: 0.15N×n MIN.			l. x	1-			
		(THICKNESS OF FPC SHALL BE t=0.30mm AT INITIAL CONDITION.)				② VERTICAL DIRECTION OF INSERTION: 0.15N×n MIN. (note 2)						
		MEASURED BY APPLICABLE FPC.				① CLOSING FORCE :) X	+_	
FORCE		(THICKNESS OF FPC SHALL BE t=0.30mm AT INITIAL CONDITION.)			0.1N×n MAX.(12 ~ 32 POS.)							
	INTENITAL		ACTERISTICS			(2) OP	ENING FO	RCE :	0.05N×n MIN		1	
			DAT 35 °C, 5 % SALT W	ATER SP	PRAY	① CO	NTACT RE	SISTANO	CE: 100 mΩ MA	. ×	Τ_	
		FOR 96 h.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.						
						③ NO EVIDENCE OF CORROSION WHICH						
						AFFECTS TO OPERATION OF CONNECTOR.						
RAPID CHANGE OF T		TEMPERATURE-55→+15TO+35→+85→+15TO+35°C			① CONTACT RESISTANCE: 100 mΩ MAX.				. ×	—		
TEMPERATURE		TIME 30→ 2TO3 → 30→ 2TO3			 INSULATION RESISTANCE: 50 MΩ MIN. NO DAMAGE, CRACK AND LOOSENESS 							
		UNDER 5 CYCLES.			OF PARTS.				,			
DAMP HEAT (STEADY ST		EXPOSED AT 40 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.							×	-		
DAMP HEAT, CYCLIC		EXPOSED AT -10 TO +65 °C,			① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX.				. ×	<u> </u>		
		RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY)							
		TO Groces, TOTAL 240 II.			③ INSULATION RESISTANCE: 50 MΩ MIN.							
						,	AT DRY)	CRACK	AND LOOSENESS	,		
							PARTS.	0101010	1110 2002 1120			
COUN	T DE	SCRIPTIO	ON OF REVISIONS		DESIG	SNED		C	HECKED	DA	DATE	
▲ REMARK							APPROVE	:D	HS. SAKAMOTO	16 (09. 29	
						CHECKED DESIGNED		-	YH. MICHIDA		16. 09. 28	
								D	SI.MIZUSAWA		09. 28	
Unless otherwise specified, refer to IEC 60512.					DRAWN KY. KIKUCHI			16. 09. 27				
Note QT:Qı	ualification Tes	surance Test X:Applicable 1	Fest X:Applicable Test DI				LC-155115-9		0			
HS.		PECIFICATION SHEET COSE ELECTRIC CO., LTD. CODE			PART	RT NO. FH19SC-**S-				1		
FORM HDOO11_					E NO. CL580			Δ	1/2			

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.	×	_			
SULPHUR DIOXIDE [JIS C 60068-2-42]	EXPOSED AT 40 °C , RELATIVE HUMIDITY 80% , 25±5 ppm FOR 96 h.	① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX. ② NO DAMAGE, CRACK AND LOOSENESS	×	_			
HYDROGEN SULPHIDE [JIS C 60068-2-43]	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± 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 ± 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	NG NO.	ELC-155115-99-00		
HRS	SPECIFICATION SHEET	PART NO.	FH19SC-**S-0. 5SH(99)			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	◬	2/2