APPLICA	BLE STANI	DARD										
OPERATING			1 55 % 17 85 % 1			RAGE		-10°C⊺	-10°CTO 50°C(PACKED CONDITION)			
RATING	TEMPERATURE RANGE VOLTAGE		50 V AC / D	50 V AC / DC OPE		RATING OR STORAGE			RELATIVE HUMIDITY 90 % MAX (NOT			
						CABLE	CABLE		`			
	CURRENT		0.5 A (note 1	<u> </u>				t=0.2±	0.03mm, GOLE	PLATI	NG	
			SPEC	IFICA	HON	18						
	EM		TEST METHOD				REC	QUIREMEN	ITS	QT	AT	
CONSTR		MOLIALI	Z AND DV MEACUDING IN	CTDUMEN	ut la	1000	DINO TO I			1	1	
		VISUALLY AND BY MEASURING INSTRUMENT. CONFIRMED VISUALLY.			NI. F	ACCORDING TO DRAWING.				×	×	
										×	×	
ELECTRIC CHARA VOLTAGE PROOF						NO FLASHOVER OR BREAKDOWN.				T×	×	
INSULATION						NO FLASHOVER OR BREAKDOWN. 500 MΩ MIN.				$\frac{1}{x}$	\^ x	
RESISTANC		100 0 00.				COO MISS MILLA.				^_	^_	
CONTACT RESISTANCE		AC 20 mV MAX (1 KHz), 1 mA.				100 mΩ MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				×	×	
MECHAN	IICAL CHA	RACTE	RISTICS		•					•	•	
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, - m/s ² FOR 10 CYCLES IN 3 DIRECTIONS.				 NO ELECTRICAL DISCONTINUITY OF 1 μs. CONTACT RESISTANCE: 100 mΩ MAX. 				x. ×		
		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 DIRECTIONS.				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					_	
MECHANICAL 20 OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			- 1 '	 ① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				1 ''	-	
(Th		MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.20mm AT INITIAL CONDITION.)				① DIRECTION OF INSERTION: 0.15N×n MIN. 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 CLOSING FORCE : 0.3N \times n MAX. (4 \sim 8 POS.) 0.1N \times n MAX. (9 \sim 50 POS.)				i.) ×	-	
ENVIRO	ENVIRONMENTAL		CHARACTERISTICS			2 OPE	ENING FOR	CE:	0.05N×n MIN	1.		
		EXPOSED AT 35 ℃, 5 % SALT WATER SPRAY				① CONTACT RESISTANCE: 100 mΩ MAX.				1	T —	
		FOR 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS. NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.						
RAPID CHANGE OF		TEMPERATURE-55→+15⊤○+35→+85→+15⊤○+35°C			+35°C (① CONTACT RESISTANCE: 100 mΩ MAX. ② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				X. ×	†-	
TEMPERATURE		TIME $30 \rightarrow 2 \sim 3 \rightarrow 30 \rightarrow 2 \sim 3 \text{ min}$ UNDER 5 CYCLES.								- 1		
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.			h.					×	-	
DAMP HEAT,CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.								I.	_	
	1			Г		OF	PARTS.					
COUN	T DE	SCRIPTIO	ON OF REVISIONS		DESIGN	1ED		CHE	CKED	D/	DATE	
& DEMARK												
REMARK						APPROVED CHECKED DESIGNED		_	.TAKAYASU	_	10.17	
								_	HY.KISHI .FURUKAWA		10.14	
Unless otherwise specified, re			efer to JIS C 5402.				DESIGNE		.FURUKAWA		10.12	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DR	DRAWING NO. ELC4-15521				10.12				
HS.	LDC SPECIFICATION SHEET PAR			PART I	TNO. FH19C-**S-0.5SH(10			10)	0)			
H		ROSE ELECTRIC CO., LTD.			CODE	CODE NO.			CL580 2		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.	×	_			
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)			
110	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	A	2/2