APPLICAI	BLE STANI	DARD									
OPERATING TEMPERATURE			-55 °C TO 85	5 °C		RAGE PERATU	TURE RANGE -10°CTO50°C(PA		XEDCONDITION)		
RATING	VOLTAGE CURRENT		50 V AC / DC		OPERATING OR ST						
					APPI	PLICABLE CABLE		t=0.3 ± 0.03mm, GOL	D PLATI	NG	
			SPEC	<u> </u>	TIOI	NS		,			
IT	<u></u>		TEST METHOD				RFC	QUIREMENTS	ΩТ	ТАТ	
	CONSTRUCTION		TEST WETHOD					2011/211/10		1 , , ,	
		VISUALL	Y AND BY MEASURING INSTRUMENT.			ACCO	RDING TO I	DRAWING.	×	×	
MARKING		CONFIRM	MED VISUALLY.						×	×	
ELECTR	IC CHARA	CTERIS	STICS								
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	×		
INSULATION RESISTANCE		100 V DC.			500 MΩ MIN.			×	×		
CONTACT RESISTANCE		AC 20 mV MAX (1 KHz), 1 mA.			100 ms	2 MAX.		×	×		
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)					
	IICAL CHA										
0.75 mr 3 DIRE SHOCK 981 m/s			EQUENCY 10 TO 55 Hz, HALF AMPLITUDE			NO ELECTRICAL DISCONTINUITY OF			×	-	
		0.75 mm, - m/s ² FOR 10 CYCLES IN 3 DIRECTIONS.				1 μs. ② CONTACT RESISTANCE: 100 mΩ MAX.			X.		
		981 m/s ² , DURATION OF PULSE 6 ms				③ NO DAMAGE, CRACK AND LOOSENESS			ss ×	-	
			MES IN 3 DIRECTIONS. SINSERTIONS AND EXTRA				OF PARTS. ① CONTACT RESISTANCE: 100 mΩ MAX.			<u> </u>	
OPERATION 20 TIME		25 111125	ES INSERTIONS AND EXTRACTIONS.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			1 "		
FPC RETEN	FPC RETENSION FORCE MEAS					① DIRECTION OF INSERTION : 0.15N×n MIN.			N. X	1-	
,		`	ICKNESS OF FPC SHALL BE t=0.30mm INITIAL CONDITION.)			② VERTICAL DIRECTION OF INSERTION: 0.15N×n MIN. (<i>note</i> 2)					
LOCK OPER	RATION		EASURED BY APPLICABLE FPC.			① CLOSING FORCE:			×	1-	
FORCE		(THICKNESS OF FPC SHALL BE t=0.30mm AT INITIAL CONDITION.)			0.3N×n MAX.(4 ~ 10 POS.) 0.1N×n MAX.(11 ~ 50 POS.)						
					© OPENING FORCE: 0.05N×n MIN.						
			ACTERISTICS								
CORROSIO	N SALT MIST		XPOSED AT 35 °C, 5 % SALT WATER SPRAY FOR 96 h.			⊕ CONTACT RESISTANCE: 100 mΩ MAX.⊗ NO DAMAGE, CRACK AND LOOSENESS				-	
		TOK 30 II.			OF PARTS. ③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.						
RAPID CHAI	RAPID CHANGE OF TEMPER		RATURE-55→+15⊤○+35→+85→+15⊤○+35°C			\bigcirc CONTACT RESISTANCE: 100 m Ω MAX.			X. ×	+_	
TEMPERATURE		TIME $30 \rightarrow 2 \sim 3 \rightarrow 30 \rightarrow 2 \sim 3 \text{ min}$			② INSULATION RESISTANCE: 50 MΩ MIN.						
DAMP HEAT			UNDER 5 CYCLES. EXPOSED AT 40 °C.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				+_	
			VE HUMIDITY 90 TO 95 %, 96 h.						×		
DAMP HEAT,CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.				① CONTACT RESISTANCE: 100 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN.			^	-	
						(AT HIGH HUMIDITY)					
						③ INSULATION RESISTANCE: 50 MΩ MIN.					
						(AT DRY) ① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			ss		
COUN	T DE	SCRIPTIC	ON OF REVISIONS		DESIG		. ANTO.	CHECKED	D,	ATE	
△ 2		DIS	-F-000618		KK.FUR	UKAWA		HY.KISHI	05.	12.05	
REMARK						APPROVED			_	09.22	
							DESIGNE			09.22	
Unless otherwise specified, re			efer to JIS C 5402				DESIGNE		_	09.22	
Note QT:Qualification Test AT:Ass					Dr	RAWING NO.		ELC4-1551			
					PART	FUL 0.00					
HV5				TDIO CO. LTD					1	1/2	
EODM UDOO11_		JOE EL	ECTRIC CO., LTD.		CODE NO.		CL580 .		Λ	1/2	

SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ			
DRY HEAT	EXPOSED AT 85 °C, 96 h.	\oplus CONTACT RESISTANCE: 100 m Ω MAX.	×	_			
COLD	EXPOSED AT -55°C, 96 h.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	_			
	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. 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.	ELC4-155198-02		
HS	SPECIFICATION SHEET	PART NO.	FH19SC-**S-0.5SH(05)			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2