APPLICA	BLE STAN	IDARD										
	OPERATING TEMPERATUI	-55 °C TO 85 °C _{TEM}			RAGE -10 °C TO 50 °C (PAC)			TO 50 °C (PACKEL	ED CONDITION)			
RATING	VOLTAGE		HUN		RATING OR STORAGE RELATIVE HUMIDITY 90 %1		HUMIDITY 90 % MAX	IAX(NOT DEWED)				
CURRENT			0.5 A (note 1)				t=0.3±0.03mm, GOLD PL				NG	
SPECIFICATIONS												
ITEM TES				ST METHOD			REQUIREMENTS				QT	АТ
CONSTRUCTION) (0		1.000					
GENERAL EXAMINATION VISUMARKING CON			Y AND BY MEAS MED VISUALLY.	URING IN	STRUME	:N1.	ACCO	ACCORDING TO DRAWING.				×
											×	×
VOLTAGE PI			CTERISTICS 150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				Τ×	T ×
INSULATION RESISTANC						500 MΩ MIN.			×	×		
		AC 20 mV MAX (1 KHz) , 1 mA .				100 mΩ MAX.				×	×	
						INCLUDING FPC BULK RESISTANCE (L=8mm)						
	IICAL CH		ERISTICS									
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, — m/s ² FOR 10 CYCLES IN 3 DIRECTIONS.				1 NO ELECTRICAL DISCONTINUITY OF 1 µs. 2 CONTACT RESISTANCE: 100 TO MAX				1 ×	-	
SHOCK		981 m/s ²	981 m/s ² , DURATION OF PULSE 6 ms				② CONTACT RESISTANCE: 100 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS				×	1-
MECHANIC <i>A</i>	Al		AT 3 TIMES IN 3 DIRECTIONS. 20 TIMES INSERTIONS AND EXTRACTIONS.					OF PARTS. ① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX.				 _
OPERATION		20 THRES HOSENTIONS AND EXTRACTIONS.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×		
FPC RETENTION FORCE		MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.30mm AT INITIAL CONDITION.)				① DIRECTION OF INSERTION : 2.4N MIN.(TARGET VALUE 5N)				×	-	
						2 VEF	② VERTICAL DIRECTION OF INSERTION: 2.4N MIN. (note 2)					
LOCK OPER FORCE	ATION	MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.30mm AT INITIAL CONDITION.)				① CLOSING FORCE : 1.6N MAX. ② OPENING FORCE : 0.8N MIN.			×	-		
ENVIRON	JMENTAL		ACTERISTIC	:S								
							① CO	NTACT RES	SISTANC	E: 100 mΩ MAX.	×	Ι_
		FOR 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS. NO EVIDENCE OF CORROSION WHICH						
						AFFECTS TO OPERATION OF CONNECTOR.						
		TEMPERATURE-55 \rightarrow +15 $_{\text{TO}}$ +35 \rightarrow +85 \rightarrow +15 $_{\text{TO}}$ +35 $^{\circ}$ C TIME 30 \rightarrow 2 \sim 3 \rightarrow 30 \rightarrow 2 \sim 3 min UNDER 5 CYCLES.				 CONTACT RESISTANCE: 100 mΩ MAX. INSULATION RESISTANCE: 50 MΩ MIN. NO DAMAGE, CRACK AND LOOSENESS 				×	-	
			EXPOSED AT 40 °C,				OF PARTS.				×	 -
(STEADY ST DAMP HEAT		RELATIVE HUMIDITY 90 TO 95 %, 96 h. EXPOSED AT -10 TO +65 °C.			(1) CO	NTACT RE	SISTANC	E: 100 mΩ MAX.	×	\vdash		
	,	RELATI	RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN.						
							(AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
COUN.	Т	L ESCRIPTION	ON OF REVISION	IS		DESIG	J OF SNED	FAR 13.	CF	HECKED	L DA	TE
a				<u> </u>						- · · -	<u> </u>	
REMARK				APPROVED RI. TAKAYASU			09.0	06. 11				
								CHECKE	D	RI. TAKAYASU	09.0	6. 11
11-1			(t. IIO O 5100			DESIGNED SI. MIZUSAWA			09.0	06. 11		
Unless otherwise specified, refer to JIS C						DRAWN SI. MIZUSAWA		09. 06. 11				
					RAWING NO. ELC4-324809							
				ATION SHEET PART					1/			
HIROSE ELECTRIC CO., LT			∕., ∟ I D.		COD	ENO. CL580-2602-3-00			Δ	1/		

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.	×	_				
	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 ~ 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	tualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC4-324809-00		
HRS	SPECIFICATION SHEET	PART NO. FH19SD-16S-0. 5			SH	
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL580	-2602-3-00	Δ	2/