LIOAD	LE STAN	DARD											
OPERATING TEMPERATURE RANGE			-55 °C	TO 8	35 °C	TEMF		JRE RANGE	= 0°C TO 50°C (PACKED CONDITION			OMON,	
RATING V	/OLTAGE		50.1/ AC / DC			ATING (DITY RANG	OR STORAGE SE	RELATIM	ЕНИМІДПУ 90 % М	AX(NOTD	DEWED		
C	CURRENT		0.5 A	(note	1)	APPL	ICABLE	CABLE	t=0.3	3±0.03mm, GOLE	PLATI	NG	
				SPEC	CIFICA	1OIT	NS						
ITE			TEST N	IETHOD				RE	QUIREM	ENTS	QT	ΙA	
CONSTRU		T								_			
	AMINATION		Y AND BY MEAS	URING IN	NSTRUMEN	IT	ACCO	RDING TO	DRAWIN	G.	×	×	
MARKING	2011000		MED VISUALLY.								×	×	
ELECTRIC VOLTAGE PRO			FOR 1 min.				NO FL	ASHOVER	OR BRE	AKDOWN	T _×	T×	
INSULATION		100 V DC.					NO FLASHOVER OR BREAKDOWN. 500 M Ω MIN.				×	^	
RESISTANCE CONTACT RESISTANCE		AC 20 mV MAX (1 KHz), 1 mA.					100 mg	2 MAX.			×	+	
		, , , , , , , , , , , , , , , , , , ,					INCLU (L=8mm)		BULK RE	ESISTANCE			
MECHANI	CAL CHA					,					•		
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, — m/s ² FOR 10 CYCLES IN					μs.				1 ×	-	
SHOCK		3 DIRECTIONS. 981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 DIRECTIONS.				 CONTACT RESISTANCE: 100 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				†-			
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.				 CONTACT RESISTANCE: 100 mΩ MAX. 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 : 1.5N MIN.(TARGET VALUE 5N) ② VERTICAL DIRECTION OF INSERTION :			×	-			
		MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.30mm				1.5N MIN. (note 2) ① CLOSING FORCE: 3.0N MAX. ② OPENING FORCE: 0.5N MIN.			(. ×	-			
ENVIRONI	ΜΕΝΤΔΙ	ÀT INITIA	L CONDITION.)							0.014 14111	·		
			O AT 35 °C , 5 %		ATER SPRA	ΥY	① CO	NTACT RE	SISTANC	E: 100 mΩ MAX	(. x	Τ_	
		FOR 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS. NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.							
RAPID CHANGE OF TEMPERATURE		TIME $30 \rightarrow 2 \sim 3 \rightarrow 30 \rightarrow 2 \sim 3 \text{ min}$ UNDER 5 CYCLES.			min	(1) CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX. (2) INSULATION RESISTANCE: $50 \text{ M}\Omega$ MIN. (3) NO DAMAGE, CRACK AND LOOSENESS					_		
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.			OF	PARTS.			×	-			
DAMP HEAT,CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			CONTACT RESISTANCE: 100 mΩ MAX. INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) INSULATION RESISTANCE: 50 MΩ MIN.					-			
						(AT DRY) ① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				3			
COUNT	DE	SCRIPTION	ON OF REVISION	NS .		DESIG		. ,	С	HECKED	D/	ATE	
۵													
REMARK				APPROVE		,		_	08. 08. 26				
								CHECKE		TH, MURAI	_	08. 26	
	Unless otherwise specified re			refer to JIS C 5402			DESIGNED			SI.MIZUSAWA SI.MIZUSAWA		08. 08. 26	
Inless other	nuico ono	cifical	forto IIC C F	Unless otherwise specified, refer to JIS C 5402. Note QT:Qualification Test AT:Assurance Test X:Applicable Test									
	-				est	חר	ΔΙΛ/ΙΚ						
	lification Tes	t AT:Ass		plicable T		DF PART				ELC4-15773 SD-10S-0. 5S	2-00		

	SPECIFICATIO	NS		
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 $^{\circ}$ 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.	ELC4-157732-00			
HRS	SPECIFICATION SHEET		FH19SD-10S-0. 5SH				
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL580	-2601-0-00	A	2/2	