APPLICA	BLE STANI	DARD T									
OPERATING			-40 °C TO 85	 5 °C	STORAGE		DE DANCE	-10 °C TO 50 °C (PACKED CONDI			MOM
RATING	TEMPERATURE RANGE VOLTAGE		50 V AC / D		OPERA	PERATURE RANGE NTING OR STORAGE ITY RANGE		_	· ·		
	CURRENT		0.5 A (note)		APPLICABLE CABLE			t=0.3±0.05mm, GOLD P		ΡΙ ΔΤΙΙ	NG
	JOURNELINI		SPEC		TION	J.S		1 "	5.5±0.05mm, GOLD	- LAIII	
רו	ГЕМ		TEST METHOD			10	DE	OLIID	EMENTS	ΩТ	AT
			TEST WETHOD				KL	QUIK	EIVIEIVIS	ا تعا	<u> Ai</u>
CONSTRUCTION GENERAL EXAMINATION		VISUALLY	AND BY MEASURING INS	STRUMEN	T.	ACCORDING TO DRAWING.			×	T ×	
		CONFIRMED VISUALLY.						×	×		
ELECTR	IC CHARA	CTERIS	TICS								
CONTACT RESISTANCE		AC 20 mV MAX (1 KHz), 1 mA.			50 mΩ MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				×	×	
INSULATION RESISTANCE		100 V DC.			(L-8mm) 500 MΩ MIN.				×	×	
VOLTAGE P	ROOF	150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				×	×
MECHAN	NICAL CHA	RACTE	RISTICS							•	•
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.				 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			1 ''	<u> </u>	
		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, - m/s ² FOR 10 CYCLES IN			DE	① NO ELECTRICAL DISCONTINUITY OF 1 μs.			1 x	-	
SHOCK		3 DIRECTIONS. 981 m/s ² , DURATION OF PULSE 6 ms				② CONTACT RESISTANCE: 50 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS					+-
		AT 3 TIMES IN 3 DIRECTIONS. MEASURED BY APPLICABLE FPC.			OF PARTS. DIRECTION OF INSERTION: 0.4N×n MIN.			. ×	 _		
		ÀT INITIAL	SS OF FPC SHALL BE t=0 CONDITION.)	.30mm		(n:NUN	IBER OF C	ONTA	ACTS)		
			CTERISTICS		05.0	@ 001					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-40 \rightarrow +15 $_{\text{TO}}$ +35 \rightarrow +85 \rightarrow +15 $_{\text{TO}}$ +35 $^{\circ}$ C TIME 30 \rightarrow 2 \sim 3 min UNDER 5 CYCLES.			(1) CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX. (2) INSULATION RESISTANCE: $50 \text{ M}\Omega$ MIN. (3) NO DAMAGE, CRACK AND LOOSENESS			×	-		
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2°C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.			n.	OF PARTS.			×	-	
DAMP HEAT, CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			×	_		
DRY HEAT		EXPOSE	EXPOSED AT 85±2 °C, 96 h.			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX. ② NO DAMAGE, CRACK AND LOOSENESS				×	+-
COLD		EXPOSED AT -40±3°C, 96 h.								×	1-
CORROSION SALT MIST		EXPOSED AT 35±2°C , 5 % SALT WATER SPRAY FOR 96 h.			RAY	OF PARTS. ① CONTACT RESISTANCE: 50 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.				×	-
SURPHUR DIOXIDE EX		EXPOSE	FOR 96 n. XPOSED AT 40±2 °C , RELATIVE HUMIDITY 0±5% ,25±5 PPM FOR 96 h.							×	<u> </u>
HYDROGEN	SULPHIDE	EXPOSE	O AT 40±2 °C , RELATIVE I 0 ~ 15 PPM FOR 96 h							×	<u> </u>
COUN	IT DI	ESCRIPTIO	N OF REVISIONS		DESIG	NED			CHECKED	DA	ATE
0											_
REMARK						APPROVE		_			06. 02
						CHECKED		_	HS. SAKAMOTO		05. 30
Unless otherwise appoined to			efer to IIS C 5402			DESIGNED					05. 24
Unless otherwise specified, re						DRAWN		1	RT. IKEDA		05. 24
Note QT:Qualification Test AT:Assurance Test X:A			<u> </u>	st	DRAWING NO.		ELC4-155139-01 FH28E-40S-0. 5SH (07)				
HS.		SPECIFICATION SHEET									4 10
CODM LIDOO11		HIROSE ELECTRIC CO., LTD.			CODE	NO. CL58		86-	86-1814-4-07		1/2

SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QΤ	АТ					
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING (MAX 2 CYCLES) PEAK TMP. 250 °C MAX . REFLOW TMP. 230 °C MIN FOR 60 sec. PRE-HEAT 150~200°C FOR 90~120 sec. 2) SOLDERING IRONS : TMP. 350±10°C FOR 5±1 sec .	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_					
SOLDERABILITY	,	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	_					

(note)

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 QT:Qu	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC4-155139-01		
HRS	SPECIFICATION SHEET	PART NO.	FH28E-40S-0. 5SH(07)			
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL586	5-1814-4-07	Δ	2/2