APPLICA	BLE STAN	DARD									
OPERATING TEMPERATUR			RANGE -40 °C TO 85 °C STO		ERATORE RANGE			-10 °C TO 50 °C (PACKED CONDITION)			
RATING	VOLTAGE		$50 \sqrt{\Delta(1)}$			ATING OR STORAGE DITY RANGE		RELATIVE HUM	RELATIVE HUMIDITY 90 % MAX (NOT DE		
CURRENT		0.5 A (<i>note 1</i>)			APPL	ICABLE	CABLE CABLE t=0.3±0.05mm, GOLD				NG
			SPEC	CIFIC	ATIO	NS					
רו	EM		TEST METHOD				RE	QUIREMENTS	3	QT	AT
	UCTION										
	EXAMINATION		Y AND BY MEASURING I	NSTRUM	ENT.	ACCOI	RDING TO	DRAWING.		×	×
MARKING			MED VISUALLY.							×	×
	ICAL CHAP					1					
CONTACT RESISTANCE		1mA(DC OR 1000Hz).				50 m Ω MAX.				×	×
INSULATIO		100 V DC.				(L=8mm) 500 MΩ MIN.				×	×
RESISTANCE VOLTAGE PROOF		150 V AC FOR 1 min.			NO FL	NO FLASHOVER OR BREAKDOWN.				×	
										×	
	NCAL CHA				<u> </u>	1 00			50 0 MAY	×	1
OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			 NO 	 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				-	
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE			① NO ELECTRICAL DISCONTINUITY OF				×	-	
		0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				1 μs. (2) CONTACT RESISTANCE: 50 mΩ MAX.					
SHOCK	SHOCK		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				 3 NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				—
FPC RETEN	ITION FORCE	MEASURED BY APPLICABLE FPC.				DIRECTION OF INSERTION: 0.4×n N MIN				×	-
			CTOR,FPC AT INITIAL C ESS OF FPC SHALL BE t=			(n : N	NUMBER C	F CONTACTS	5)		
ENVIRO	NMENTAL		ACTERISTICS	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/						
RAPID CHA			RATURE-55→+15⊺0+35→+			-				×	-
TEMPERATURE		TIME $30 \rightarrow 2 \text{ to } 3 \rightarrow 30 \rightarrow 2 \text{ to } 3 \text{ min.}$ UNDER 5 CYCLES.				 ② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS 					
	DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.				PARTS.			×	-
DAMP HEAT	,		E HOMIDITY 90109:		6 h.	① CO	NTACT RE	SISTANCE:	50 mΩ MAX.	×	_
		RELATIVE HUMIDITY 90 TO 96 %,			(2) INSULATION RESISTANCE: 1 M Ω MIN.						
		10 CYCLES,TOTAL 240 h.			(AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN.						
							(AT DRY)				
					④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				6		
DRY HEAT		EXPOSED AT 85±2 °C, 96 h.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. CONTACT RESISTANCE: 50 mΩ MAX. NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR. 				×	-	
COLD		EXPOSED AT -40±3°C, 96 h.							s ×	-	
CORROSION SALT MIST		EXPOSED AT 35±2 °C 5% SALT WATER SPLAY							×	-	
SULPHUR DIOXIDE		FOR 96 h. EXPOSED AT 40±2 ℃ , RELATIVE HUMIDITY							×	-	
] 80±5% , 25±5 ppm FOR 96 h.									
			ED AT 40±2 ℃ , RELATIVE 10 TO 15 ppm FOR 96 h		ΤΥ					×	-
COUN	T DE	SCRIPTIC	ON OF REVISIONS		DESIG	NED		CHEC	KED	DA	TE
Ø											
REMARK							APPROVE	D HS. S	AKAMOTO	16.0	9. 23
							CHECKE		AKAMOTO	_	9. 23
					DESIGNED			IKEDA		9. 21	
		cified, refer to IEC 60512.				DRAWN KY. KIKUCHI				9.12	
						DRAWING NO. ELC-347311-9 T NO. FH12-**S-0. 5SH(1) (1					
HRS		SPECIFICATION SHEET			PART				. 556(1)(
1	HIR	HIROSE ELECTRIC CO., LTD.				NO.		CL528		Δ	1/2

	SPECIFICATIO	NS		
ITEM	TEST METHOD	REQUIREMENTS	QT	A
ESISTANCE TO DLDERING HEAT	1) REFLOW SOLDERING (TO BE 2 TIMES MAX.) PEAK TMP. 250 °C MAX REFLOW TMP.OVER 230 °C WITHIN 30 sec. PRE-HEATING. 150 TO 200°C 90 TO 120 sec. 2)SOLDERING IRONS : 350 ± 10 °C,	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	-
	FOR 5±1 sec.			
OLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 235±5 °C FOR IMMERSION DURATION,2±0.5 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	-
	SAME VALUE OF CURRENT ARE APPLID TO ALL CO URRENT TO THE 70 % OF THE RATED CURRENT VAL			
SETTHEO	UKKENT TO THE 70 % OF THE RATED CORRENT VAL	.ue.		

Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWIN	IG NO.	ELC-347311-98-01		
		SPECIFICATION SHEET	PART NO. FH12-**S-0. 5SH(1) (98			(98)	
110	HIROSE ELECTRIC CO., LTD.	CODE NO		CL528		2/2	