APPLICA	BLE STAN	DARD											
OPERATING TEMPERATURE		E RANGE	-40 °C	ТО	85 °C	С		PERATUR	RE RANGE		10°CTO 50°C (PACKE	COND	топ)
RATING	VOLTAGE CURRENT		50 \/ \(\C\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		HUMID	RATING OR STORAGE DITY RANGE		RE	RELATIVE HUMIDITY 90 % MAX (1		NOT DEWED)		
			0.5 A	(not	e 1)		APPL	ICABLE	CABLE	t	=0.3±0.05mm, GOLD	PLATI	ING
SPECIFICATIONS													
ITEM			TEST METHOD			REQUIREMENTS			QT	АТ			
	RUCTION												
	EXAMINATION		Y AND BY MEAS	URING	G INST	RUME	NT.	ACCO	ACCORDING TO DRAWING.				×
MARKING	10 41 01 14 1		MED VISUALLY.									×	×
		RACTERISTICS				50 mΩ MAX.				T	T		
CONTACT RESISTANCE		1mA(DC OR 1000Hz).				INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				×	×		
INSULATION		100 V DC.				500 MΩ MIN.				×	×		
	RESISTANCE VOLTAGE PROOF		150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				×	×	
MECHAN	NICAL CHA	RACTE	RISTICS										
MECHANICA OPERATION	AL	20 TIMES INSERTIONS AND EXTRACTIONS.				 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 					<u> </u>		
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				NO ELECTRICAL DISCONTINUITY OF 1 μs. CONTACT RESISTANCE: 50 mΩ MAX.				×	_		
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.					-	
(CO			MEASURED BY APPLICABLE FPC. (CONNECTOR,FPC AT INITIAL CONDITION. THICKNESS OF FPC SHALL BE t=0.30mm)				DIRECTION OF INSERTION: 0.4×n N MIN (n : NUMBER OF CONTACTS)			×	_		
ENVIRO	NMENTAL		CTERISTIC			,							
RAPID CHAI		TEMPERATURE-55→+15TO+35→+85→+15TO+35°C										_	
TEMPERATURE		TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min.}$ UNDER 5 CYCLES.				③ NO DAMAGE, CRACK AND LOOSENESS							
DAMP HEAT		EXPOSED AT 40±2 °C,					OF PARTS.				×	_	
(STEADY ST	,	RELATIVE HUMIDITY 90 TO 95 %, 96 h. EXPOSED AT -10 TO +65 °C,				① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				×			
DAMP HEAT, CYCLIC		EXPOSED AT -10 TO +65 °C, 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. 				•			
DRY HEAT		EXPOSED AT 85±2 °C, 96 h.				① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.					_		
COLD		EXPOSED AT -40±3°C, 96 h.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	-		
CORROSION SALT MIST		EXPOSED AT 35±2 °C 5% SALT WATER SPLAY FOR 96 h.				 CONTACT RESISTANCE: 50 mΩ MAX. NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR. 					-		
SULPHUR DIOXIDE [JIS C60068-2-42]		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% , 25±5 ppm FOR 96 h.								×	-		
	SULPHIDE C60068-2-43]		D AT 40±2 °C , R 10 TO 15 ppm FC			TIDIMI	Y					×	-
COUN	T DE	SCRIPTIC	N OF REVISION	IS			DESIG	NED			CHECKED	D/	ATE
& DEMARK									A DDD 5: :-			<u> </u>	
REMARK						APPROVED CHECKED			HS. SAKAMOTO HS. SAKAMOTO		09. 23 09. 23		
						DESIGNED			RT. IKEDA	16.09.			
Unless otherwise specified			ied, refer to IEC 60512.				DRAWN			KY. KIKUCHI		09. 12	
Note QT:Qualification Test AT:Assurance							RAWING NO.		ELC-347311-98-		1		
HS.	SF	SPECIFICATION SHEET				PART	PART NO. FI		112-	12-**S-0. 5SH(1) (9			
	HIR	HIROSE ELECTRIC CO., LTD.					CODE NO.			CL528			1/2

SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QT	AT					
RESISTANCE TO SOLDERING 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, FOR 5± 1 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	I					
SOLDERABILITY	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.	×	_					

(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 QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWIN	IG NO.	ELC-347311-98-01			
HS		SPECIFICATION SHEET	PART NO.	FH12-**S-0. 5SH(1) (9		(98)		
1		HIROSE ELECTRIC CO., LTD.	CODE NO		CL528	Δ	2/2	