APPLICA	BLE STA	ANDARD										
	OPERATIN TEMPERA	G TURE RANGE	40 °C TO 95 °C		5 °C	STORAGE TEMPERATURE		RE RANGE	-10	-10 °C TO 50 °C (PACKED CONDITI		
RATING	VOLTAGE CURRENT		50 V AC / DC		OPERATING OF HUMIDITY RANGE		R STORAGE		ATIVE HUMIDITY 90 % MA	Y 90 % MAX (NOT DEWED)		
					APPL	LICABLE CABLE		t:	t=0.3±0.05mm, GOLD P		NG	
			(SPEC	IFIC/	OITA	NS					
ITEM			TEST METHOD			REQUIREMENTS			QT	АТ		
CONSTR			(AND D)(MEAG)				1, , , , ,		5541			
GENERAL E MARKING	XAMINATIO		Y AND BY MEASU MED VISUALLY.	JRING INS	STRUME	NT.	ACCORDING TO DRAWING.				×	×
											×	×
ELECTRIC CHARA CONTACT RESISTANCE							50 mΩ MAX.				T _×	Τ×
			(===:				INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)					
INSULATION RESISTANC		100 V DC	100 V DC.			500 MΩ MIN.				×	×	
VOLTAGE P	VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				×	×	
MECHAN	IICAL C	HARACTE	RISTICS									
MECHANICAL OPERATION		20 TIMES	20 TIMES INSERTIONS AND EXTRACTIONS.				 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				×	-
VIBRATION	VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1 μs.				1 ×	-
SHOCK			981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			 ② CONTACT RESISTANCE: 50 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				×	_	
		(CONNEC	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	NMENT		ACTERISTIC		00111111		<u> </u>					
RAPID CHANGE OF TEMPERATURE		TIME	1			① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX. ② INSULATION RESISTANCE: $50 \text{ m}\Omega$ MIN.				×	-	
DAMP HEAT			UNDER 5 CYCLES. EXPOSED AT 40±2 °C.				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	+_
(STEADY ST	,		RELATIVE HUMIDITY 90 TO 95 %, 96 h.									
DAMP HEAT	,CYCLIC	RELATI	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 mΩ MAX.				×	-	
COLD			EXPOSED AT -40±3°C, 96 h.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	1-	
CORROSION SALT MIST			EXPOSED AT 35±2 °C 5% SALT WATER SPLAY FOR 96 h.			① CONTACT RESISTANCE: 50 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH				×	1-	
SULPHUR DIOXIDE [JIS C60068-2-42]		EXPOSE	EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% , 25±5 ppm FOR 96 h.			<u> </u>	AFFECTS TO OPERATION OF CONNECTOR.				×	-
HYDROGEN [JIS			D AT 40±2 °C , RE 10 TO 15 ppm FO		IUMIDITY	(×	-
COUN	Т	DESCRIPTION	ON OF REVISION	S		DESIG	SNED			CHECKED	D,	ATE
0									-			
REMARK						APPROVED CHECKED		-+	MO. ISHIDA	_	01. 23	
							DESIGNE		HS. SAKAMOTO RT. IKEDA	_	01. 22 01. 21	
Unless otherwise specified, refe			fer to JIS C 5402.				DRAWN		-	SS. NABAE	13. 01. 11	
Note QT:Qualification Test AT:Assurance Test							RAWING NO.			ELC4-345143-01		
HS.		SPECIFI	PECIFICATION SHEET PA			PART	г NO. FH12-		2-*S-1SH(1) (9	-*S-1SH(1) (98)		
EOPM HD0011-		IIROSE EL	LECTRIC CO., LTD. COD		CODE	≣ NO.		(CL528	⚠	1/2	

SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ					
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.	×						
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.	ELC4-345143-01		
HRS	SPECIFICATION SHEET	PART NO.	FH12-*S-1SH(1)(98)			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL528	Δ	2/2