COUNT	DESCRIPTION	OF REVIS	SIONS	BY	CHKD	DATE		COUN	T D	ESCRI	PTION O	ON OF REVISIONS BY C		CHKD	HKD DATE	
							\triangle									
							\triangle									
APPLICA	BLE STAN	DARD				<u> </u>					***		<u> </u>			
OPERATING TEMPERATURE RANGE -40 °C TO 85 °C TEMPERATURE RANGE -10 °CTO 50 °C (PAC)						DACKEL	CONDI	TION								
	ETUNIOL				OPE			ERATING OR STORAGE								
RATING	E 50 V AC / DC 1 TO 1					RELATIVE HUMIDITY 90 MAX(NOT D					K(NOT DE	WED)				
						PLICABLE CABLE										
	Г					t=0.3±0.05 , GOLD F					PLAT	ED				
-				***		SPECIFIC	CA	TION	NS			•				
l it	EM			TES	T ME	THOD					REC	UIREMEN	rs		QT	ΑТ
CONSTRI														·		
GENERAL E	XAMINATION	VISUAL	LY AND	BY N	IEASU	RING INSTRI	JME	NT.	AC	CORD	ING TO	DRAWING.			×	×
MARKING		CONFIRMED VISUALLY.								×	X					
ELECTRIC	CHARACT	ERIST	ICS													
CONTACT F	RESISTANCE	1 mA (DC OR 1000 Hz).							50	mΩ M/	۱X.			×	×	
								IN			FFC BULK RES	ISTAN	DE			
INSULATION	<u> </u>	100 V DC.						 	(L=8n		IIN.			+-		
RESISTANC									500 MΩ MIN.					×	×	
VOLTAGE P	ROOF	150 V AC FOR 1 min.						NO	FLAS	HOVER	OR BREAKD	OWN.		×	×	
	CAL CHAR								-1- <u>-</u> -							,
MECHANICA OPERATION		20 TIN	MES IN	SERT	ONS A	ND EXTRAC	TION	NS.	1			SISTANCE: CRACK AND		Ω MAX	1 /	-
OFERATION	•								1 -	OF PA	-	CIVACINAIND	LOOG	LINLO	<u> </u>	
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 DIRECTIONS.						1 -	<u> </u>				×	_		
		0.75 mm	ı, FOF	R 10 C	YCLE	S IN 3DIR	ECI	IONS.	•	1 μs. CONT	ACT RE	SISTANCE:	50 m	ιΩ ΜΑΧ	,	
SHOCK	<u>.</u>	981 m/s ² DURATION OF PULSE 6 ms							③ NO DAMAGE, CRACK AND LOOSENESS					<u> </u>		
		AT 3 TIMES IN 3 DIRECTIONS.						+	OF PARTS.							
FPC RETENSION FORCE									DIRECTION OF INSERTION: 0.4×n N MIN. (n: NUMBER OF CONTACTS)				×	_		
		1,				AL CONDITIC L BE t=0.30m			(n :	NUME	SER OF	CONTACTS)				
FNVIRON	MENTAL CI					L BL (-0.00m)	,									1
RAPID CHA	TEMPERATURE-40→+15то+35→+85→+15то+35°C											1 /	<u> </u> "—			
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.							
DAMP HEAT		EXPOSED AT 40±2 °C,						③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					×	_		
(STEADY STATE)		RELATIVE HUMIDITY 90 TO 95 %, 96 h.						<u> </u>						<u> </u>		
DAMP HEAT, CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %,						① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN.					1 ^	-		
			CLES, T									HUMIDITY)	. 114	AZZ IVIIIV	·	
									3			RESISTANCE	: 50 N	IΩ MIN.		
									a	•	DRY)	CRACK AND	LOOS	SENESS	<u>.</u>	
1									1 -	OF PA		OIGORAND	LOGG	JE11E-01	1	
DRY HEAT EXPOSED AT 85±2 °C, 96 h.				① CONTACT RESISTANCE: 50 mΩ MAX. × ② NO DAMAGE, CRACK AND LOOSENESS				_								
COLD EXPOSED AT -40±3 °C, 96 h.					NO DA OF PA		CRACK AND	LOOS	SENES	×	T					
EMARKS							П	DRAW	<u>'</u>	DESI	GNED	CHECKED	APPE	ROVED	RELE	ASED
							L.					~ 1	01	ı		
								YAMA			JRAI	1. Kuwala	K-lau	seyou		
	Unless otherwise specified, refer to JIS C 5402. D.YAMADA T.MURAI 7.Kuwata R.Talseyou 04.06.10 04.06.10 04.06.11 04.06.11															
Unless otherwise specified, refer to JIS C 5402. Note QT:Qualification Test AT:Assurance Test ×:Applicable Test																
LDC	uamication res	. AI.AS	Juialic	J 1691							PART N	O.				
CL	HIS HIROSE ELECTRIC CO., LTD. SPECIFICATION SHEET FH12 -*(*)SA - 1SH (55)															
				CODE NO. 1												
CL	ELC4 – 150545 – 51						CL 586 /2						/2			

TO NC

SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QΤ	AT					
CORROSION SALT MIST	EXPOSED AT 35±2 ℃, 5 % SALT WATER SPRAY FOR 96 h.	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH	×	-					
SURPHUR DIOXIDE [JIS C 0090]	EXPOSED AT 40 ± 2 °C, RELATIVE HUMIDITY 80 ± 5 %, 25 ± 5 PPM FOR 96 h.	AFFECTS TO OPERATION OF CONNECTOR.	×	_					
HYDROGEN SULPHIDE [JIS C 0092]	EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 80±5 %, 10 TO 15 PPM FOR 96 h.		×	_					
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING (TO BE 2 TIMES MAX.) PEAK TMP. 250 °C MAX. REFLOW TMP. 230 °C MIN. FOR 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.	×	_					

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.

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.	D.YAMADA 04.06.10	T.MURAI 04.06.10	T. Kuwata 104:06.11	0	
Note OT Qualification Test AT Assurance Test X:Applicable Tes	<u> </u>			04.06.14	

HIROSE ELECTRIC CO., LTD.

SPECIFICATION SHEET

PART NO. FH12 -*(*)SA- 1SH (55)

CODE NO.(OLD)

DRAWING NO. ELC4 — 150545 — 51

CODE NO. CL 586

FORM No.231-2

(HI)