<u>APPLICA</u>	BLE STAN	DARD									
	OPERATING TEMPERATURE RANGE VOLTAGE CURRENT		-40 °C TO 85 °C TEM 50 V AC / DC OPE		TEMF	OPERATING OR STORAGE		-10°C TO 50°C (PACKED CON		OMON,	
RATING					<b>I</b>			RELATIVE HUMIDITY 90 % MA	X(NOTD	(NOT DEWED)	
					APPL			t=0.3±0.05mm, GOLD	PLATI	NG	
	•	•	SP	ECIFIC	ATIO	NS					
רו	 ГЕМ		TEST METH				RFC	QUIREMENTS	QT	Тат	
CONSTRUCTION			1201 1112111	<u> </u>				ZON CEMENTO		174	
GENERAL EXAMINATION VI		VISUALLY	AND BY MEASURIN	G INSTRUM	ENT.	ACCO	RDING TO I	DRAWING.	×	Τ×	
MARKING		CONFIRMED VISUALLY.			1			×	×		
ELECTR	IC CHARA	CTERIS	STICS			l				-	
CONTACT RESISTANCE					50 mΩ MAX.			×	×		
					INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)						
INSULATION RESISTANCE		100 V DC.			500 MΩ MIN.			×	×		
VOLTAGE PROOF		150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.			×	×	
MECHAN	NICAL CHA	RACTE	RISTICS			1					
MECHANICAL CITA MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.			CONTACT RESISTANCE: 50 mΩ MAX.     NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×			
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			1 x	-		
SHOCK		DIRECTIONS.  981 m/s <sup>2</sup> , DURATION OF PULSE 6 ms  AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			TIONS	② CONTACT RESISTANCE: 50 mΩ MAX.  ③ NO DAMAGE, CRACK AND LOOSENESS			×	†-	
FPC RETENTION FORCE		MEASURED BY APPLICABLE FPC.			OF PARTS.  DIRECTION OF INSERTION: 0.4×n N MIN			×	+-		
			CTOR,FPC AT INITIAL SS OF FPC SHALL BE			(n:NUM	IBER OF C	ONTACTS)			
			CTERISTICS								
RAPID CHANGE OF TEMPERATURE		TEMPERATURE- $40 \rightarrow +15$ TO+ $35 \rightarrow +85 \rightarrow +15$ TO+ $35$ °C TIME $30 \rightarrow 2$ TO $3 \rightarrow 30 \rightarrow 2$ TO $3$ min. UNDER 5 CYCLES.			<ul> <li>① CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>② INSULATION RESISTANCE: 50 MΩ MIN.</li> <li>③ NO DAMAGE, CRACK AND LOOSENESS</li> </ul>			×	-		
DAMP HEAT		EXPOSED AT 40±2 °C,			OF PARTS.			' <del> </del>	+_		
(STEADY ST	,	RELATIVE HUMIDITY 90 TO 95 %, 96 h.									
DAMP HEAT, CYCLIC		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			<ul> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>INSULATION RESISTANCE: 1 MΩ MIN.         (AT HIGH HUMIDITY)</li> <li>INSULATION RESISTANCE: 50 MΩ MIN.         (AT DRY)</li> <li>NO DAMAGE, CRACK AND LOOSENESS</li> </ul>			×	-		
		EXPOSE	EXPOSED AT 85±2 °C. 96 h.			OF PARTS.  ① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.			l x	1	
		-,			(2) NO DAMAGE, CRACK AND LOOSENESS			;	<b>↓</b> ¯		
COLD			EXPOSED AT -40±3°C, 96 h.			OF PARTS.			×		
CORROSION SALT MIST		FOR 96 h	EXPOSED AT 35±2 ℃ 5% SALT WATER SPRAY FOR 96 h.			① CONTACT RESISTANCE: 50 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH			×	_	
SULPHUR DIOXIDE [JIS C 0090]		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% , 25±5 PPM FOR 96 h.			1	ECTS TO C	OPERATION OF	×	-		
HYDROGEN	SULPHIDE [JIS C 0092		O AT 40±2 °C,RELAT 0 TO 15 PPM FOR		ΓΥ				×	_	
COUN	IT DI	ESCRIPTIC	N OF REVISIONS		DESIG	NED		CHECKED	DA	ATE	
0											
REMARK						APPROVE		D NM. NISHIMATSU	12.0	03. 21	
			f			CHECKED DESIGNED			+	03. 21	
									12. 03. 20		
Unless otherwise specified, refer to JIS C 5402.			1	DRAWN NM. SANPEI		NM. SANPEI	12.0	03. 14			
Note QT:Q	ualification Tes	t AT:Assu	rance Test X:Applicab	le Test	DF	PRAWING NO. ELC4-159266					
NO CI ECITIO/ CITEET			PART			H12-**S-0. 5SVA(!	54)	_			
CL	1115	OCE E1	ECTRIC CO., L	TD				CL586	Δ	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. 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.	×	_				

## (note 1)

WHEN THE SAME VALUE OF CURRENT ARE APPLIED TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70 % OF THE RATED CURRENT VALUE.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC4-159266-02		
HRS	SPECIFICATION SHEET	PART NO.	D. FH12-**S-0. 5SVA (54)			
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL586	Δ	2/2