APPLICABLE STANDARD

	TEMPERATURE RANGE VOLTAGE		-45 °C 10 +125 °C (NOTES 1) TEM		TORAGE EMPERATU	RE RANGE	-10 °C TO + 60 °C (NOTES 2) DF12#-50DS-0. 5V (**)		2)
RATING					APPLICARLE (CONNECTOR			
	CURRENT		0.3 A			231111201011	DE 12#=50D5=0. 51	((个 个)	
			SPEC	IFICATIO	NS				
ITEM		TEST METHOD			REQUIREMENTS			АТ	
CONSTR	UCTION								
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCOR	ACCORDING TO DRAWING.			Х
MARKING		CONFIRMED VISUALLY.							X
ELECTRI	C CHARAC	TERIST	ICS						
CONTACT RESISTANCE		100 m A (DC OR 1000 Hz).			50 mΩ N	50 mΩ MAX.			-
INSULATION RESISTANCE		100 V DC			500 M Ω	500 M Ω MAX			_
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLA	NO FLASHOVER OR BREAKDOWN.			_
MECHAN	ICAL CHAR	ACTER	ISTICS						
INSERTION A WITHDRAWA		MEASURED BY APPLICABLE CONNECTOR.			I	INSERTION FORCE :34.2(N)MAX WITHDRAWAL FORCE :5.0(N)MIN			_
MECHANICAL OPERATION		50 TIMES INSERTIONS AND WITHDRAWALS.			1 -	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			_
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.			2 NO DA	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			_
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			_
ENVIRON	IMENTAL C	HARAC	TERISTICS						
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65 \rightarrow 15 TO 35 \rightarrow 125 \rightarrow 15 TO 35 $^{\circ}$ C TIME 30 \rightarrow 10 TO 15 \rightarrow 30 \rightarrow 10 TO 15 min UNDER 5 CYCLES.			2 INSU	① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			_
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.			② INSUL				_
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.			10	 CONTACT RESISTANCE: 50 mΩ MAX. NO HEAVY CORROSION. 			_
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JEIDA-39)			1.7	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.			_
HEAT RESISTANCE OF SOLDERING		【RECOMMENDED TEMPERATURE PROFILE】 《SOLDERING AREA》 MAX250°C, 220°C FOR 60 SECONDS MAX. 《PREHEATING AREA》 150 TO 180°C 90∼120 SECONDS. MAXIMUM TWICE ACTION IS ALLOWED UNDER THE SAME CONDITION. 【RECOMMENDED MANUAL SOLDELING CONDITION】 SOLDERING IRON TEMPERATURE 350°C SOLDERING TIME: WITHIN 3 SECONDS.			HE LOOSE!	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			_
NOTE2:STOR APPL	RAGEIS DEFINED Y OPERATION T	O AS LONG EMPERATI	E RISE BY CURRENT. -TERM STORAGE OF UNUSED JRE RANGE TO PRODUCTS M ER TO JIS C 5402 .		CB WITHOU	JT POWER SU	PLLY.	•	
COUN	IT DE	DESCRIPTION OF REVISIONS DE		SIGNED	ENED CHECKED		DA	TE	
<u> </u>						ADDDOVED WILLIAM		00.0	0.10
						APPROVED CHECKED	KH. IKEDA TS. MIYAZAKI	09.0	
						DESIGNED	TY YAMASAKI	09.0	

DRAWN

DRAWING NO.

PART NO.

CODE NO.

09.02.06

1/1

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AK. AOYAGI

DF12E(5.0)-50DP-0.5V(96)

CL537-0584-0-96

ELC4-160445-02

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.