APPLICA	BLE STANI	DARD							
OPERATING TEMPERATUR			-45 °C TO +125 °C(NO	TES 1)	STORAGE	JRE RANGE	-10 °C TO + 60 °C	(NOTES	2)
RATING	VOLTAGE		50 V AC				DF12#-*DS-0.5V(81)		
	CURRENT		0. 3 A		APPLICABLE	CONNECTOR	DF12#-*DS-0.5V(86)		
	1	SPECIFICATIONS							
		T		IFICAI				ΩТ	T
ITEM CONSTRUCTION		TEST METHOD				REQUIREMENTS			AT
		Ivania i i s	/ AND DV MEA CUDING INCTOLS	4ENIT	TACCOR	DING TO DRAWII	NC.	1	T
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCUR	JING TO DRAVVII	NG.	X	X
MARKING		CONFIRMED VISUALLY.						X	X
ELECTRIC CHARAC									
CONTACT RESISTANCE		100 m A (DC OR 1000 Hz).				50 mΩ MAX. X -			
INSULATION RESISTANCE		100 V DC			500 MΩ	500 ΜΩΜΑΧ			I —
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLA	NO FLASHOVER OR BREAKDOWN.			-
MECHAN	ICAL CHAF	ACTER	RISTICS		I				
	INSERTION AND		MEASURED BY APPLICABLE CONNECTOR.				SERTION WITHDRAWAL	Тх	T_
WITHDRAWA	WITHDRAWAL FORCES					SIGNAL FORCE FORCE (N)MAX (N)MIN 20 23.4 2.6 30 27.0 3.4 32 27.6 3.6			
						36 40	29.0 4.0 30.6 4.2		
						50 60	342 5.0 38.0 6.0		
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.			① CON	CONTACT RESISTANCE: 50 mΩ MAX.			
VIBRATION						NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			
		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE			I .	D NO ELECTRICAL DISCONTINUITY OF 1 μs. D NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			-
SHOCK		0.75 mm, AT 2 h, FOR 3 DIRECTIONS. 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES			l l	① NO ELECTRICAL DISCONTINUITY OF 1 μs.			+-
		FOR 3 DIRECTIONS.				AMAGE, CRACK	OR LOOSENESS OF PARTS.	X	
ENVIRON	IMENTAL C	HARAC	TERISTICS						
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65 \rightarrow 15 TO 35 \rightarrow 125 \rightarrow 15 TO 35 $^{\circ}$ C			I .		CE: 50 mΩ MAX.	X	-
		TIME 30 \rightarrow 10 TO 15 \rightarrow 30 \rightarrow 10 TO 15 min UNDER 5 CYCLES.					ANCE: 500 MΩ MIN. OR LOOSENESS OF PARTS.		
DAMP HEAT			ED AT 40 ± 2 °C, 90 TO 95 °	% 96 h		<u> </u>	CE: 50 mΩ MAX.	X	+-
(STEADY STATE)		EXT OOED AT 40 ± 2 0, 30 TO 33 70, 30 H.			1		ANCE: 500 MΩ MIN.	^	
CORROSION SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.				③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. ① CONTACT RESISTANCE: 50 mΩ MAX.			
		EXPOSE	JIN 5% SALT WATER SPRATE	OR 46 II.	1	① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.			-
SULPHUR DIG	SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h.			① CONTACT RESISTANCE: 50 mΩ MAX.			
LIEAT DEGI			ANDARD:JEIDA-39)	OEU E1		② NO HEAVY CORROSION.			
HEAT RESISTANCE OF SOLDERING		[RECOMMENDED TEMPERATURE PROFILE] «SOLDERING AREA» MAX250°C, 220°C FOR 60 SECONDS MAX.			I .	NO DEFORMATION OF CASE OF EXCESSIVE X LOOSENESS OF THE TERMINALS.			
		1 "	ATING 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			''' ⁻				
					N]				
REMARKS		SOLDI	ERING TIME : WITHIN 3 SECONI	JS.					
	JDING THE TEM	PERATURE	RISE BY CURRENT.						
NOTE2:STOR	AGEIS DEFINEI	D AS LONG	-TERM STORAGE OF UNUSED I	PRODUCTS	S .				
			URE RANGE TO PRODUCTS MC	DUNTED ON	I PCB WITHOU	JT POWER SU	PLLY.		
		FIED, REFER TO JIS C 5402.			DEGLONED		OUEOKED		
COUN	I DI	ESCRIPTI	ON OF REVISIONS	L	DESIGNED		CHECKED	DA	TE
<u>~~</u>						APPROVEI	MO.NAKAMURA	00.0	10 00
									02.02
						CHECKED		-)1.31
						DESIGNED)1.31
					DRAWN		HK.MURAKAMI)1.31
Note QT:Qualification Test AT:Assurance Test X:Applicable Test DF					DRAWII	RAWING NO. ELC4-1635		13-09	
1mc	S	PECIFI	PECIFICATION SHEET			DF1	DF12E(4.0)-*DP-0.5V(81)		
HS	HIR	OSE ELECTRIC CO., LTD.					CL 537		