

APPLICABLE STANDARD		SPECIFICATIONS								
RATING	OPERATING TEMPERATURE RANGE	-45°C TO +125°C (NOTES 1)		STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE2)					
	VOLTAGE	150V AC		APPLICABLE CONNECTOR	DF9#-*S-1V (22)					
	CURRENT	0.5A			DF9#-*S-1V (32)					
CONSTRUCTION										
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X X					
MARKING	CONFIRMED VISUALLY.				X X					
ELECTRIC CHARACTERISTICS										
CONTACT RESISTANCE	100m A (DC OR 1000 Hz).		50mΩ MAX.		X -					
INSULATION RESISTANCE	100V DC.		500MΩ MIN.		X -					
VOLTAGE PROOF	250V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X -					
MECHANICAL CHARACTERISTICS										
MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 50mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X -					
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X -					
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X -					
ENVIRONMENTAL CHARACTERISTICS										
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -65 → 5 TO 35 → 125 → 5 TO 35°C TIME 30 → 10 TO 15 → 30 → 10 TO 15min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 50mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X -					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 50mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X -					
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 SOLDERING CONDITION ] SOLDERING IRON TEMPERATURE 380°C SOLDERING TIME : WITHIN 3 SECONDS.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X -					
SOLDERABILITY	SOLDERING TEMPARATURE:245±5°C DURATION OF IMMERSION : SOLDERING FOR 3SECONDS		A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.		X -					
⚠										
REMARKS										
NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT. NOTE2:STORAGEIS DEFINED AS LONG-TERM STORAGE OF UNUSED PRODUCTS. APPLY OPERATION TEMPERATURE RANGE TO PRODUCTS MOUNTED ON PCB WITHOUT POWER SUPPLY. UNLESS OTHERWISE SPECIFIED , REFER TO JIS C 5402.										
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE					
⚠	1	DIS-H-001215	AR.TAKAHASHI	TS.MIYAZAKI	06.08.02					
APPROVED				TY.OMA	04.04.06					
CHECKED				TY.OMA	04.04.06					
DESIGNED				HK.UMEHARA	04.04.01					
DRAWN				MY.NAKAMOTO	04.04.01					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-160018-11					
SPECIFICATION SHEET		PART NO.	DF9B-*P-1V (32)							
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL540		⚠ 1/1					