

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 (69)					
	CURRENT	0.5A							
CONSTRUCTION									
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X X				
MARKING	CONFIRMED VISUALLY.				X X				
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE	100mA (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	100TIMES 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 ² 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→10TO15min 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 -				
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.		X -				
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JEIDA-39)		① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION.		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.						
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.						
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. OPERATION TEMPERATURE FOR TAPE-AND-REAL PRODUCTS SHALL BE -10 TO 50°C. UNLESS OTHERWISE SPECIFIED , REFER TO JIS C 5402 .									
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE				
1	DIS-H-001223		AR.TAKAHASHI	TS.MIYAZAKI	06.08.01				
				APPROVED	MO.NAKAMURA				
				CHECKED	TS.MIYAZAKI				
				DESIGNED	YH.MICHIDA				
				DRAWN	YH.MICHIDA				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-306115-09				
	SPECIFICATION SHEET		PART NO.	DF9A-*P-1V (69)					
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL540	△ 1/1				