

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.



APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE	-10°C T ₀ + 60°C (NOTE2)
RATING	OPERATING TEMPERATURE RANGE	-45°C T ₀ +125°C (NOTES 1)	
	VOLTAGE	150V AC	DF9#—*S—1V(69)
	CURRENT	0.5A	

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION VISUALLY AND BY MEASURING INSTRUMENT: ACCORDING TO DRAWING. X X

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 100TIMES INSERTIONS AND EXTRACTATIONS. ① CONTACT RESISTANCE: 50mΩ MAX. X —

VIBRATION FREQUENCY 10 TO 55 HZ, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. X —

SHOCK 490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. ① NO ELECTRICAL DISCONTINUITY OF 1μs. X —

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 ① CONTACT RESISTANCE: 50mΩ MAX. X —

UNDER 5 CYCLES.

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. ① CONTACT RESISTANCE: 50mΩ MAX. X —

EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.

① CONTACT RESISTANCE: 50 mΩ MAX.

② NO HEAVY CORROSION.

③ CONTACT RESISTANCE: 50 mΩ MAX.

④ NO HEAVY CORROSION.

⑤ CONTACT RESISTANCE: 50 mΩ MAX.

⑥ NO HEAVY CORROSION.

⑦ NO HEAVY CORROSION.

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SOLDERABILITY SOLDERING TEMPERATURE: 245 ± 5 °C DURATION OF IMMERSION : SOLDERING FOR 3SECONDS. A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMERSSED. 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-001224	AR, TAKAHASHI	TS, MIYAZAKI	06.08.01
			APPROVED TY, OMA	04.04.06
			CHECKED TY, OMA	04.04.06
			DESIGNED HK, UMEHARA	04.04.02
			DRAWN MY, NAKAMOTO	04.04.02

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELG4-160018-13

SPECIFICATION SHEET		PART NO.	DF9B-*P-1V(69)
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL540