



INSTANTANEOUS AND FUNCTION RELAYS

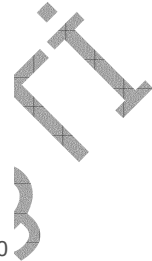
Instantaneous relays 4 contacts / 2448



TEC

2448

- ▶ rear wiring socket with clips 9246
- ▶ rear wiring socket with clips 9243
- ▶ rear wiring socket / PCB mounting 9244
- ▶ front wiring socket with clips 9946-20
- ▶ front wiring socket / screw terminals 9946-10



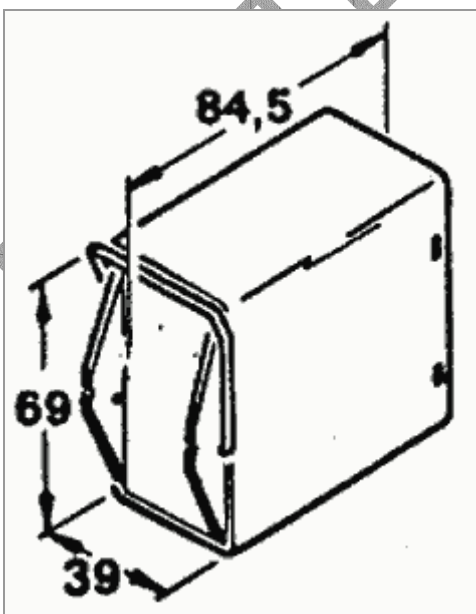
DESCRIPTION

Fast action instantaneous relay - 4 CO contacts, 5 A.

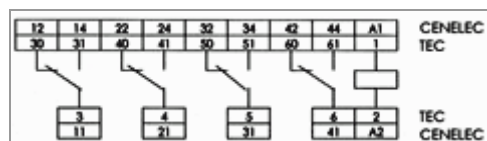
Pluggable on the following sockets : 9244, 9246, 9243 & 9946.

Detailed table of the coil resistance data is available in the technical support pages of this site or can be sent upon request.

Dimensions



Connection



OPERATION PRINCIPLE

Fast action relay :

- * minimum control input time : 30 ms
- * minimum recycling time : 800 ms
- * permanent eneggization of the coil without consequence on the relay's reliability.

Contacts rating :

- * 0,25 A / 125 VDC / L/R 50 ms = 1000 operations
- * 0,15 A / 220 VDC / L/R 50 ms = 1000 operations.

TECHNICAL FEATURES

Function	instantaneous fast action
Presentation	under cover
Connection	on front or rear wiring socket
Number of mechanical operations	10.000.000
Operating temperature	- 25 to + 55°C
Storage temperature	- 40°C to + 80°C
Climatic protection	reinforced climatic protection
Shock voltage	4 KV wave 1,2 / 50 µs
Dielectric strength	2,5 KV-50 Hz-1 min
Insulation resistance	1000 MOhms (500 VDC - new relay)
Protection level	IP40
Resistance to mechanical shocks	CEI 68.2.6 / test Fc / method A = severity 55/05

COIL DATA

	Direct current	Alternative current
Min. nominal voltage DC	48 V	
Min. nominal voltage AC	220/230 V	
Operating range	-20/+10% of nominal voltage	

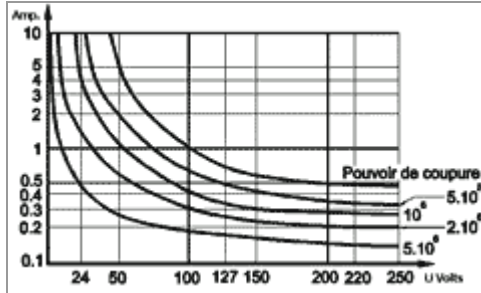
CONTACTS

Number of contacts	4
Max. load current	5 A per contact

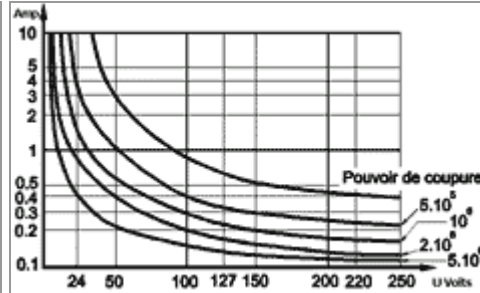
CONTACTS RATING

DIRECT CURRENT

resistive load

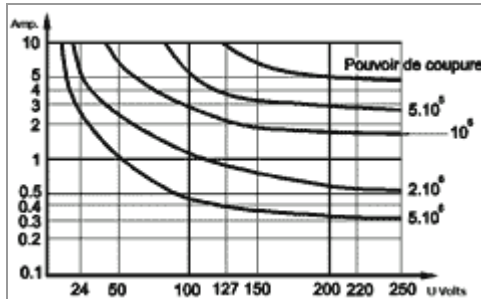


inductive load L/R = 20 ms

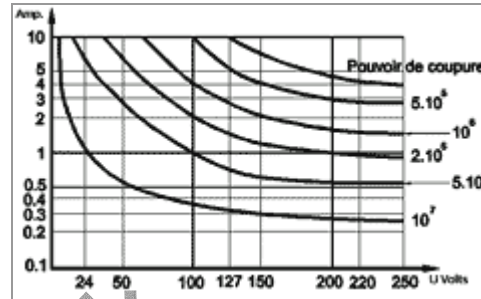


ALTERNATIVE CURRENT

resistive load

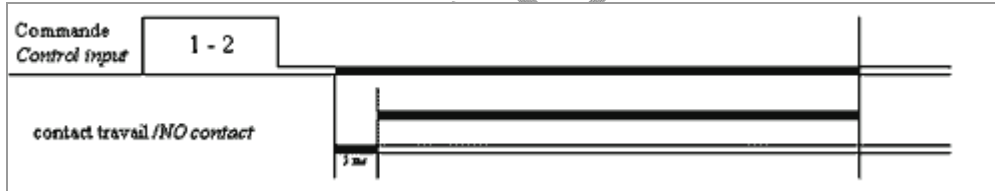


inductive load cos phi = 0.7



OPERATION DIAGRAM

FONCTION



VERSIONS

The 2448 relay is a specifically designed "fast action relay", equipped with 4 x 5 A CO contacts. The basic design is made of :

- * One 1804 relay of 4 x 5A CO contacts (qualified EDF HN45S25 cl. 2a)
- * Electronic components giving fast peak up response ≤ 5 ms of the 4 NO contacts.

For any complementary information regarding mounting and withdrawal, please refer to the technical support pages of this site or contact us.

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