

## INSTANTANEOUS AND FUNCTION RELAYS



### Latching relays 3 contacts / GAD



### GAD

- ▶ rear wiring socket with clips ER/GE 2.8
- ▶ rear wiring socket / PCB mounting ER/GE
- ▶ front wiring socket with clips EVC/GE
- ▶ front wiring socket with clips 9876
- ▶ front wiring socket / screw terminals EVB/GE
- ▶ front wiring socket / screw terminals 9877

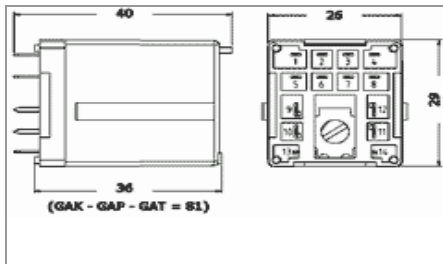
#### DESCRIPTION ▶

#### Latching compact relay with magnetic hold - 3 CO contacts - 3 or 5 A.

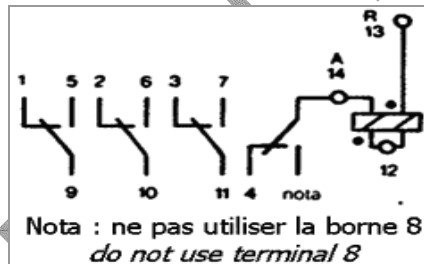
Pluggable on sockets with possible hold down springs - pins at the standard pitch of 2.54 mm.

Pluggable on the following sockets : EVB/GE, 9877, EVC/GE, 9876, ER/GE 2.8 or ER/GE.

#### Dimensions



#### Connection



#### OPERATION PRINCIPLE ▶

##### Control mode :

- \* Pulsed : pulse duration > 0,1 s - < 2 mn.
- \* Permanent : requiring an external auto cut-off device (GCD) with pulse >= 2 min.

See operation diagram hereafter.

#### TECHNICAL FEATURES ▶

Function	latching with magnetic hold
Presentation	under cover
Connection	on front or rear wiring socket
Number of mechanical operations	20.000.000
Operating temperature	- 5°C to + 40°C
Storage temperature	- 40°C to + 70°C
Climatic protection	optional reinforced climatic protection
Dielectric strength	2200 V eff-50 Hz
Insulation resistance	> 200.000 MOhms
Weight	40 g.
Protection level	IP40 (according to NFC 20-010)
Resistance to mechanical shocks	severity 50 A (NFC 20-608)
Resistance to vibrations	frequency range : 10-55 Hz (NFC20-616)

## COIL DATA

	Direct current	Alternative current
Min. nominal voltage DC	6 V	6 V
Min. nominal voltage AC	125 V	127 V 50 Hz
Operating range	-20/+10% of nominal voltage	
Power requirement	operate : 3,5 W - release : 0,5 W	1,4 VA + or - 20% 0,25 VA + or - 30%

## CONTACTS

Number of contacts	3 inv.
Max. load current	3 A (CI Ic1) & 5 A (CI Ib2) according to NFC 45-25
Low power switching	0,1 VA with min voltage 1 V and/or I min 1 mA
Response time	DC < 5,5 ms - AC < 21 ms

## OPERATION DIAGRAM

### CONTROL MODE

*GAD = permanent control by the +*  
*GAD = Commande permanente par le +*

*GAD = permanent control by the -*  
*GAD = Commande permanente par le -*

*GAD = permanent control*  
*GAD = Commande permanente*

Appel / Relâchement / Borne à ne pas utiliser

Bloc d'autocoupage GCD / GCD control block

Appel = pull in - relâchement = drop out - bornes à ne pas utiliser = terminals not to be used

Valeur des composants du GCD / Values of GCD components

Tensions DC ou AC / Voltages DC or AC	Resistance P = 1 W - tolérances ± 5%	Capacité / capacitance
6 V	0,47 Ω	1500 µF 6,3 V
12 V	2,7 Ω	440 µF 25 V
24 V	5,6 Ω	100 µF 40 V
48 V	27 Ω	22 µF 100 V
120 & 127 V	200 Ω	4,7 µF 160 V

## VERSIONS

- . GAD relay with reinforced climatic protection
- . GADZ relay with single-winding
- . GADN relay with cover sealed under neutral gas
- . GADF low-level relay
- . GADFN low-level relay with cover sealed under neutral gas.
- . GAD relay with specific characteristics (voltage, current, frequency).

Homologations & conformities :

\* EDF HM 63/97/030B - C2, T1, I1b, I1c

adresimiz  
değişti

Emekyemez Mah. Yüksek Minare Sk. No:8 / 17  
80020 Karaköy / İstanbul

Tel:212/2359535  
Fax:212/2359537