

# RELAIS INSTANTANÉS ET DE FONCTION

2 contacts



CAQ

- rear wiring socket with clips ERDL2/CA
- rear wiring socket / PCB mounting ERC2/CA
- front wiring socket / screw terminals EVB2/CA

## ► Description

**Instantaneous relay with rapid memory.**

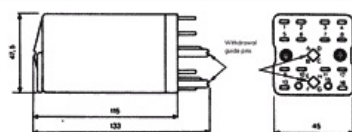
Pluggable on socket with a withdrawal clasp and square guide pins which can act as a key to ensure that the correct relay is used at the correct voltage (**see our withdrawal guide in the technical support pages of this site**)

Pluggable on the following sockets : EVB2/CA, ERC2/CA or ERDL2/CA.

## Others models

- 1902
- CAQ
- X4001

## ► Dimensions



## ► Operation principle

This relay is a rapid memory which acts when it receives an impulse with duration  $> 0.5$  ms (terminal 14). This information is re-sent (tipping of the two CO contacts) when validated by action on terminal 13 (validation). This information is directly re-sent if terminals 13 and 15 are linked. Return to rest state is made by cutting-off terminal 15 (reset).

**See the operation diagram hereafter**

## ► Technical features

<b>Function</b>	instantaneous
<b>Presentation</b>	under cover
<b>Connection</b>	on front or rear wiring socket
<b>Number of mechanical operations</b>	35.000.000
<b>Operating temperature</b>	- 5°C to + 40°C
<b>Storage temperature</b>	- 40°C to + 70°C

<b>Climatic protection</b>	optional reinforced climatic protection
<b>Shock voltage</b>	3 KV (wave 1,2/50 µs)
<b>Dielectric strength</b>	2200 V eff
<b>Weight</b>	200 g.
<b>Protection level</b>	IP 40 (according to NFC 20-010)
<b>Resistance to mechanical shocks</b>	severity 50 A (according to NFC 20-608)
<b>Resistance to vibrations</b>	0,35 mm / 10-55 Hz (according to NFC 20-616)

### ► Coil data

	<b>Direct current</b>	<b>Alternative current</b>	
<b>Min. nominal voltage DC</b>	12 V		
<b>Min. nominal voltage AC</b>	220 V		
<b>Operating range</b>	-20/+10% of nominal voltage		
<b>Power requirement</b>	4 W permanently - 0,5 W control impulse		

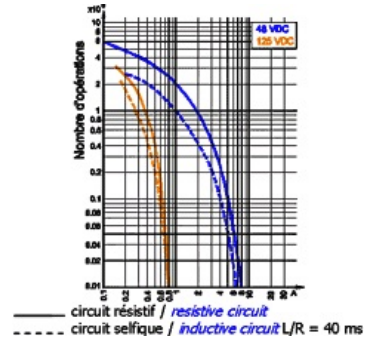
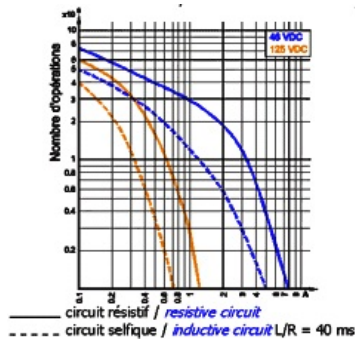
### ► Contacts

<b>Number of contacts</b>	2
<b>Max. load current</b>	8 A per contact
<b>Low power switching</b>	0,1 VA with min voltage 1 V and/or I min 1 mA

### ► Contacts rating

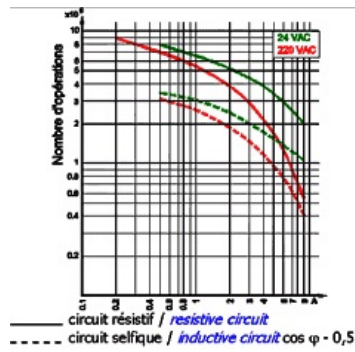
#### **DIRECT CURRENT**

**Power supply in DC - connection on DC      Power supply in AC - connection on DC**



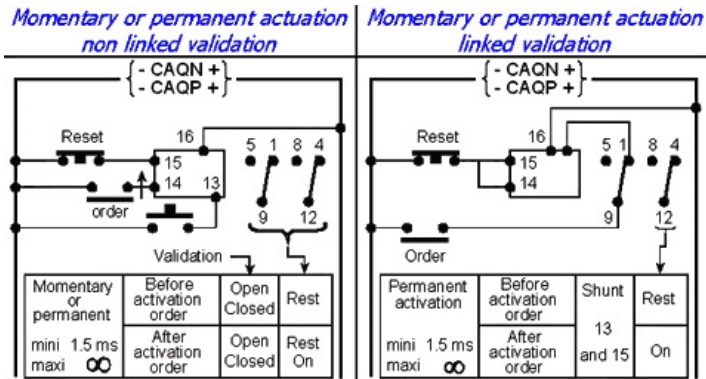
## ALTERNATIVE CURRENT

power supply in AC or DC - connection on AC



## ► Operation diagram

see detailed operation diagram here above



## ► Versions

- . CAQ relay with reinforced climatic protection
- . CAQP relay with control by positive polarity
- . CAQN relay with control by negative polarity
- . CAQ relay with impulse < 0,5 ms

**Non-contractual document** - characteristics to be confirmed before order  
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