

## EUL/EUH AC/DC voltage control EUL Part number 84872023



- Voltage monitoring
- 2 relays to cover 6 ranges of measurement : 0.2V to 600V
- Automatic recognition AC/DC
- Frequency up to 500 Hz

### Part numbers

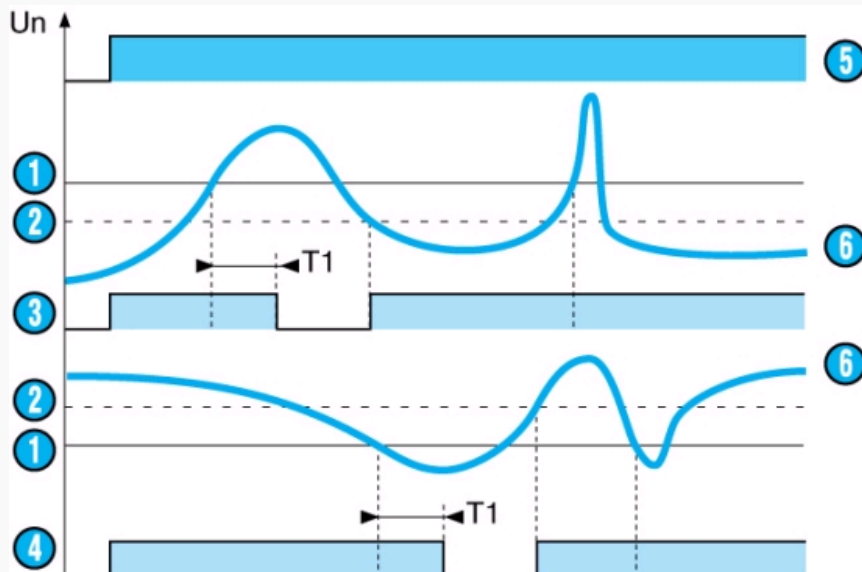
	Type	Measurement range	Supply voltage
84 872 023	EUL	0,2 →60 V	120 V AC

### Specifications

Supply voltage $U_n$	24 V, 120 V, 230 V, 50/60 Hz (galvanic isolation via transformer) 24 V (no galvanic isolation). In this case, the product power supply and measuring circuit power supply must be electrically isolated.
Operating range	0,85 1,15 $U_n$
Maximum power consumption	3 VA / 1 W
Frequency of measured signal	40 500 Hz
Threshold $U_e$	Adjustment from 10 to 100 % of the measurement range
Hysteresis	Adjustment from 5 to 50 % of the displayed threshold
Display precision	$\pm 10$ % of the full scale
Delay on threshold crossing $T_t$	0,1 3 s $\pm 10$ %
Output relay	1 AgNi changeover, 8 A max
Temperature Use ( $^{\circ}\text{C}$ )	-20 →+60
Storage temperature ( $^{\circ}\text{C}$ )	-30 →+70

Inputs	E1-M E2-M E3-M
Sensitivity	E1-M : 0,2 to 2V E2-M : 1 to 10V E3-M : 6 to 60V
Input resistance	E1-M : 2k $\Omega$ E2-M : 10k $\Omega$ E3-M : 60k $\Omega$

### Principles

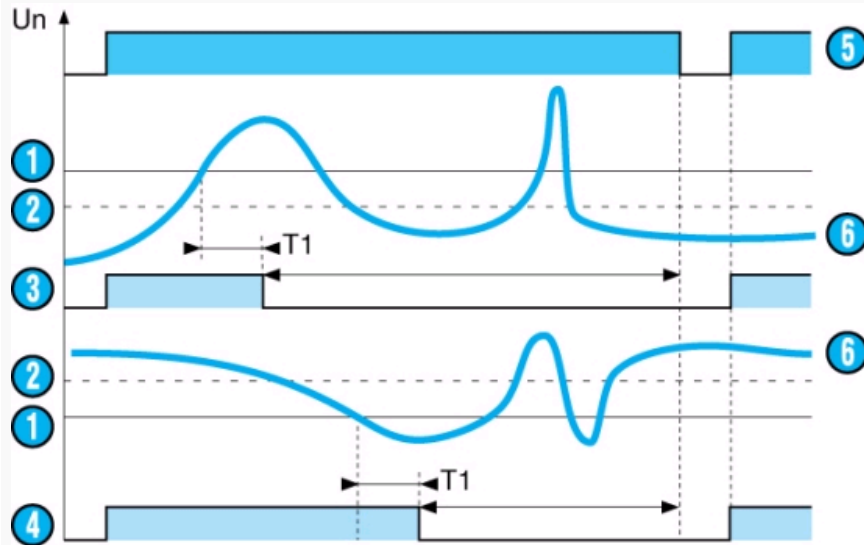


When the value of the controlled voltage, AC or DC, reaches the threshold  $U_e$  displayed on the front face, the output relay changes state at the end of a time delay  $T_1$ , which can be set on the front face at between 0.1 and 3s.

Once the voltage drops below 5 to 50 % of the threshold (hysteresis), the output relay changes state again instantly. Changing the hysteresis on the front face does not therefore modify the value of the preset threshold.

N°	Legend
①	Threshold $U_e$
②	Hysteresis
③	UPPER function
④	UNDER function
⑤	Unit power-up
⑥	Controlled voltage

### Principles

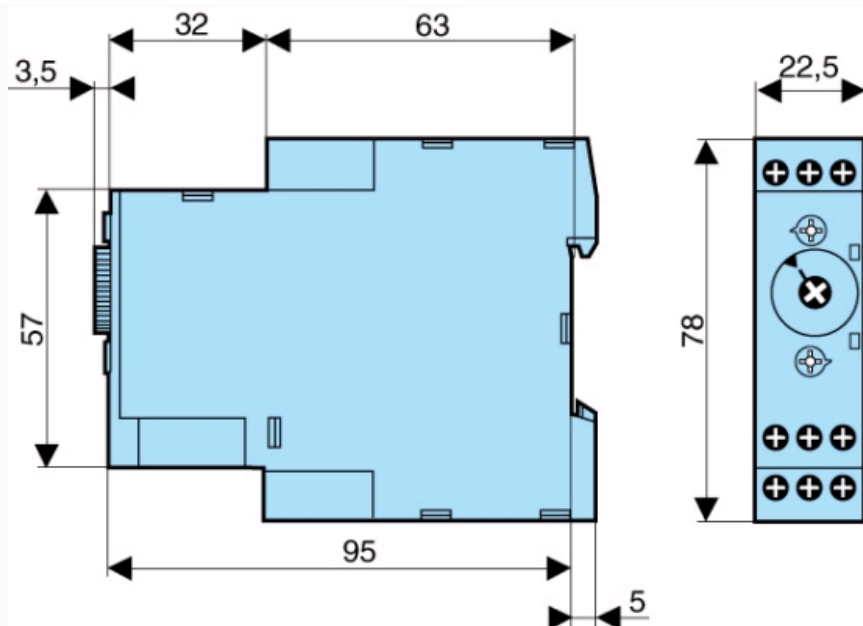


When the value of the controlled voltage, AC or DC, reaches the threshold  $U_e$  displayed on the front face, the output relay changes state at the end of a time delay  $T_1$ , which can be set on the front face at between 0.1 and 3s and remains latched in this position.

N°	Legend
①	Threshold $U_e$
②	Hysteresis
③	UPPER function
④	UNDER function
⑤	Unit power-up
⑥	Controlled voltage
⑦	*** TRADUCTION MANQUANTE ***

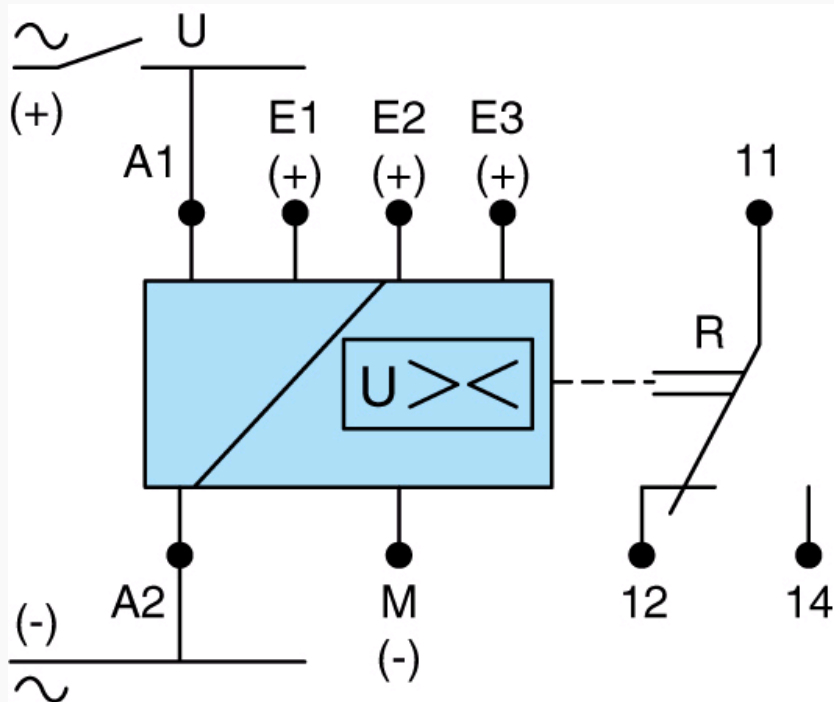
### Dimensions (mm)

EUL / EUH



**Connections**

EUL

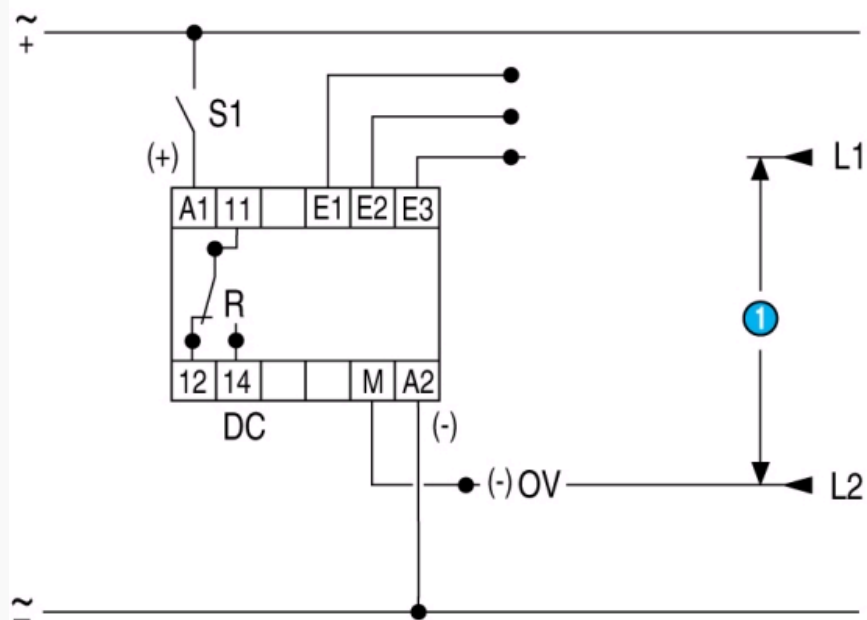


**Legend**

A1 - A2 : Supply voltage

**Connections**

EUL / EUH



N°	Legend
①	Supply voltage to be monitored