



## EUL/EUH AC/DC voltage control EUL Part number 84872021



- 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

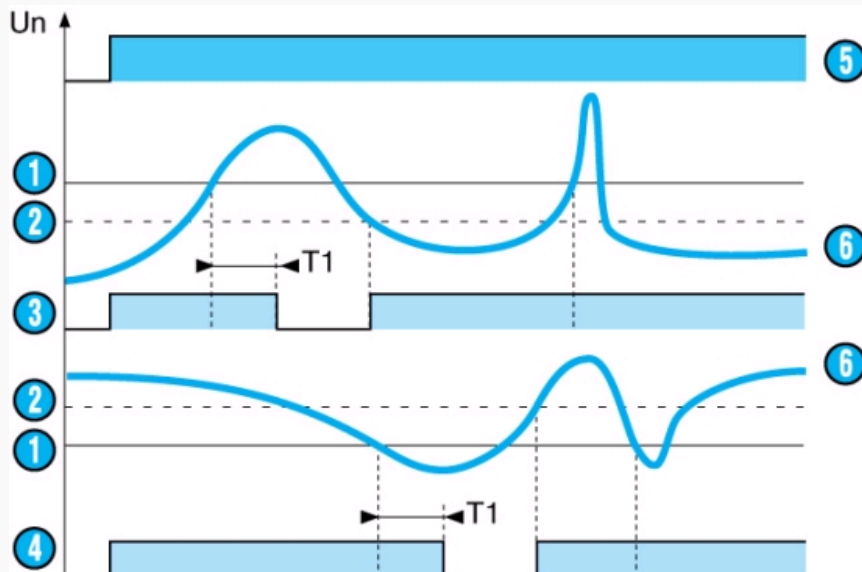
|          | Type | Measurement range | Supply voltage |
|----------|------|-------------------|----------------|
| 84872021 | EUL  | 0,2 →60 V         | 24 V AC        |

### Specifications

|                                |   |
|--------------------------------|---|
| Supply voltage Un              | 24 V, 120 V, 230 V, 50/60 Hz (galvanic isolation via transformer)<br>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 Un  |
| Maximum power consumption      | 3 VA / 1 W  |
| Frequency of measured signal   | 40 500 Hz   |
| Threshold Ue                   | Adjustment from 10 to 100 % of the measurement range  |
| Hysteresis                     | Adjustment from 5 to 50 % of the displayed threshold  |
| Display precision              | ± 10 % of the full scale  |
| Delay on threshold crossing Tt | 0,1 3 s ±10 %   |
| Output relay                   | 1 AgNi changeover, 8 A max  |
| Temperature Use (°C)           | -20 →+60  |
| Storage temperature (°C)       | -30 →+70  |

|                  |  |
|------------------|--|
| Inputs           | E1-M<br>E2-M<br>E3-M                                   |
| Sensitivity      | E1-M : 0,2 to 2V<br>E2-M : 1 to 10V<br>E3-M : 6 to 60V |
| Input resistance | E1-M : 2kΩ<br>E2-M : 10kΩ<br>E3-M : 60kΩ               |

### Principles

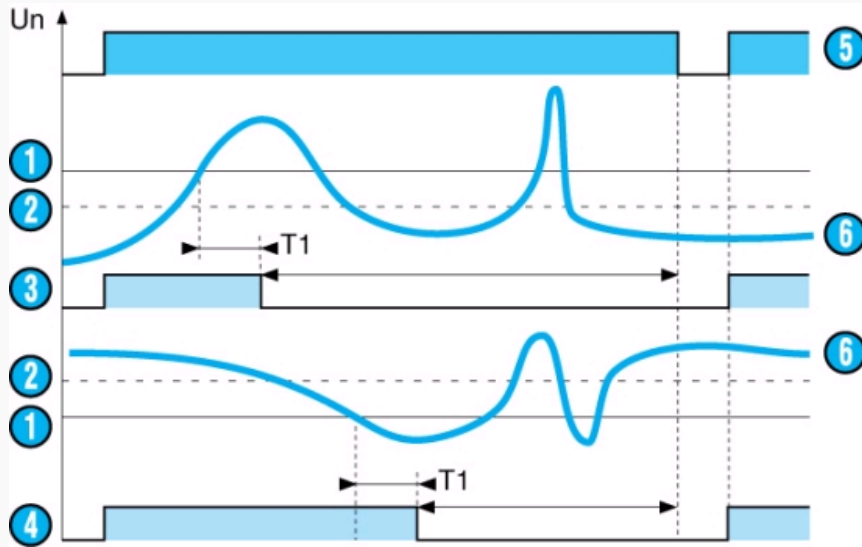


When the value of the controlled voltage, AC or DC, reaches the threshold  $U_e$  displayed on the front face, the output relay changes state at the end of a time delay  $T_1$ , which can be set on the front face at between 0.1 and 3s.

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

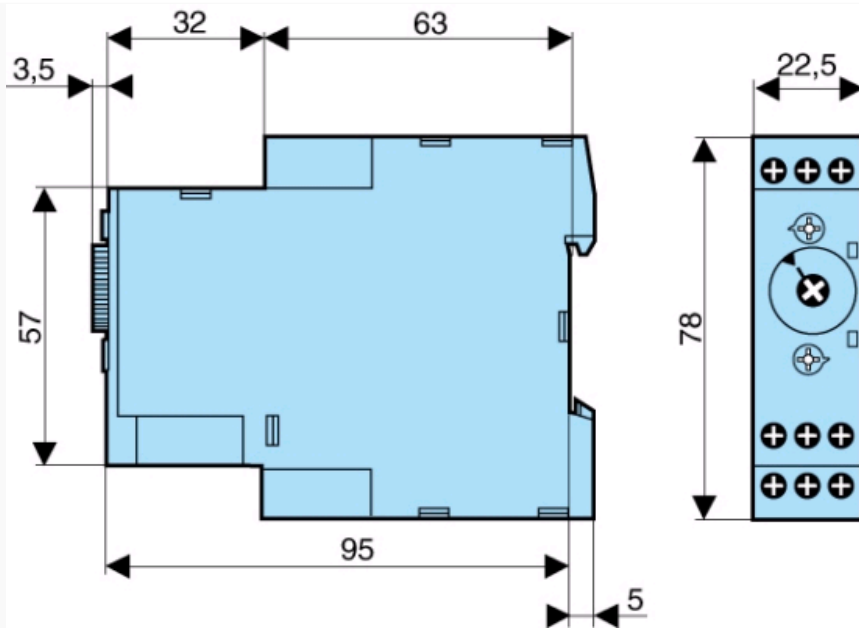


When the value of the controlled voltage, AC or DC, reaches the threshold  $U_e$  displayed on the front face, the output relay changes state at the end of a time delay  $T_1$ , which can be set on the front face at between 0.1 and 3s and remains latched in this position.

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

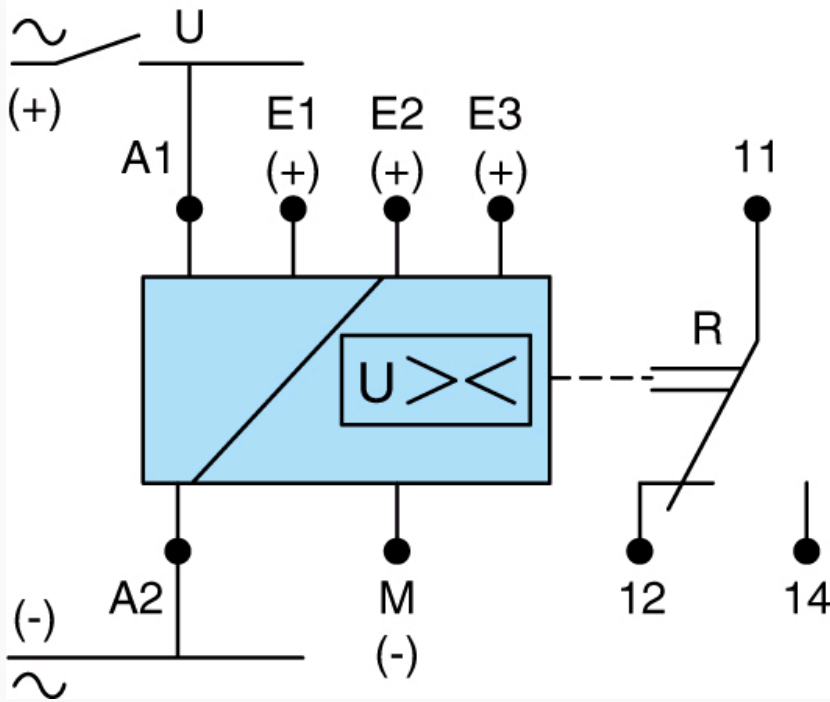
Dimensions (mm)

EUL / EUH



**Connections**

EUL

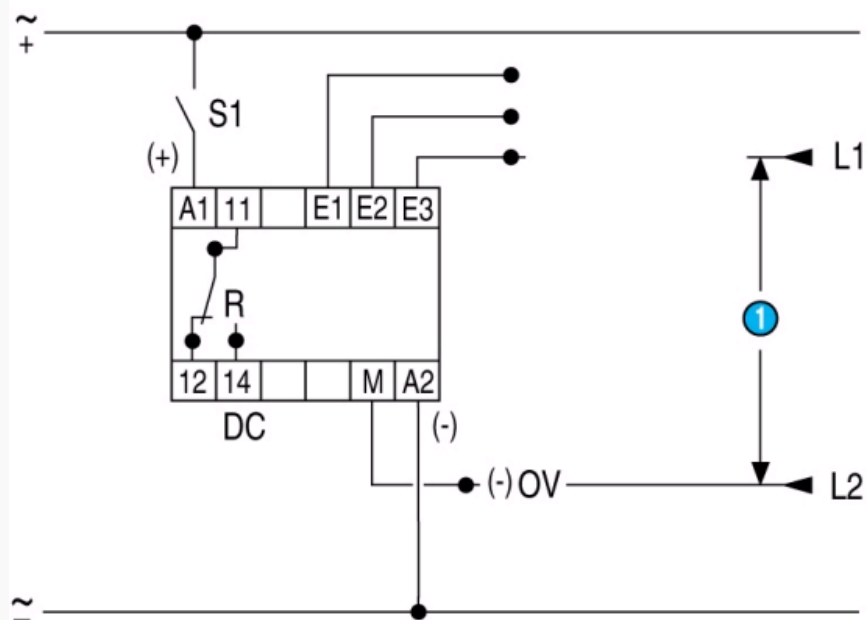


**Legend**

A1 - A2 : Supply voltage

**Connections**

EUL / EUH



| N° | Legend                         |
|----|--------------------------------|
| ①  | Supply voltage to be monitored |