

## EUL/EUH AC/DC voltage control EUH Part number 84872030



- 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

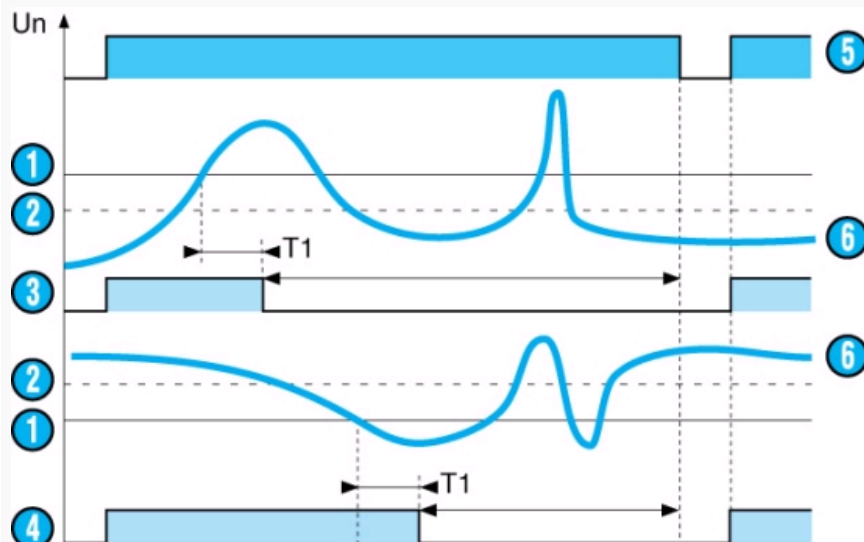
|            | Type | Measurement range | Supply voltage |
|------------|------|-------------------|----------------|
| 84 872 030 | EUH  | 15 → 600 V        | 24 V DC        |

### 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 : 15 to 150V<br>E2-M : 30 to 300V<br>E3-M : 60 to 600V |
| Input resistance | E1-M : 100kΩ<br>E2-M : 300kΩ<br>E3-M : 600kΩ                |

### Principles

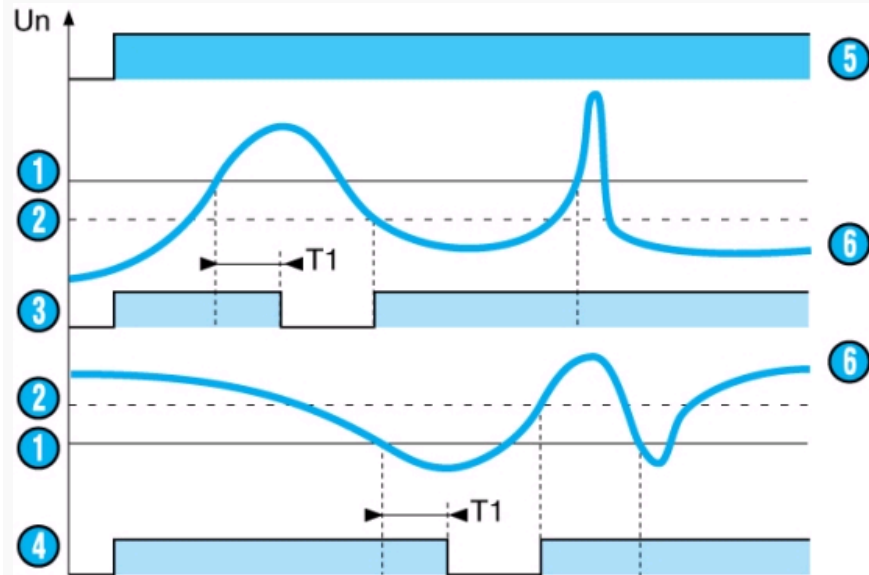


When the value of the controlled voltage, AC or DC, reaches the threshold Ue displayed on the front face, the output relay changes state at the end of a time delay T1, which can be set on the front

face at between 0.1 and 3s.  
Once the voltage drops below 5 to 50 % of the treshold (hysteresis), the output relay changes state again instantly. Changing the hysteresis onthe front face does not therefore modify the value of the preset treshold.

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

Principles

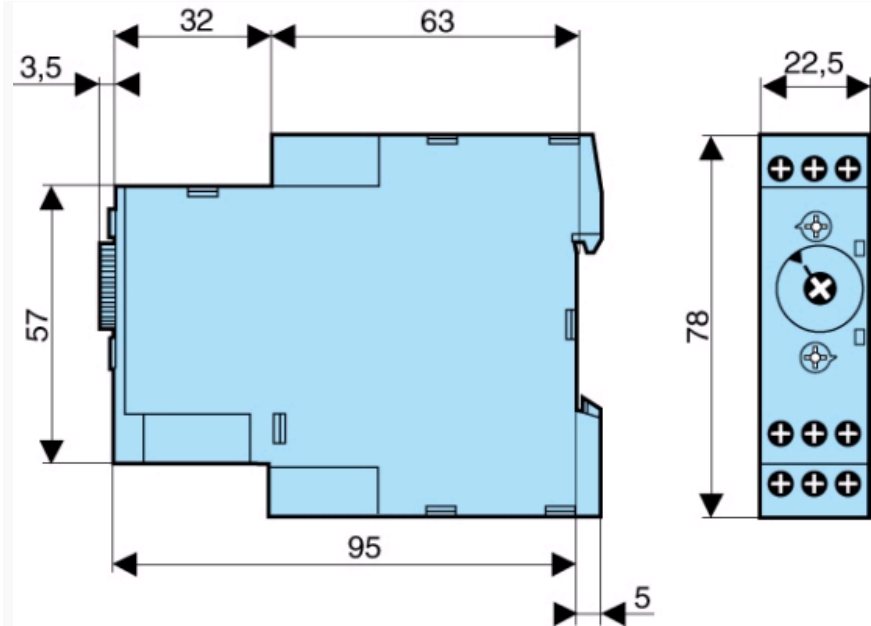


When the value of the controlled voltage, AC or DC, reaches the treshold Ue displayed on the front face, the output relay changes state at the end of a time delay T1, which can be set on the front face at between 0.1 and 3s and remains latched in this position.

| N° | Legend             |
|----|--------------------|
| ①  | Treshold Ue        |
| ②  | Hysteresis         |
| ③  | UPPER function     |
| ④  | UNDER function     |
| ⑤  | Unit power-up      |
| ⑥  | Controlled voltage |

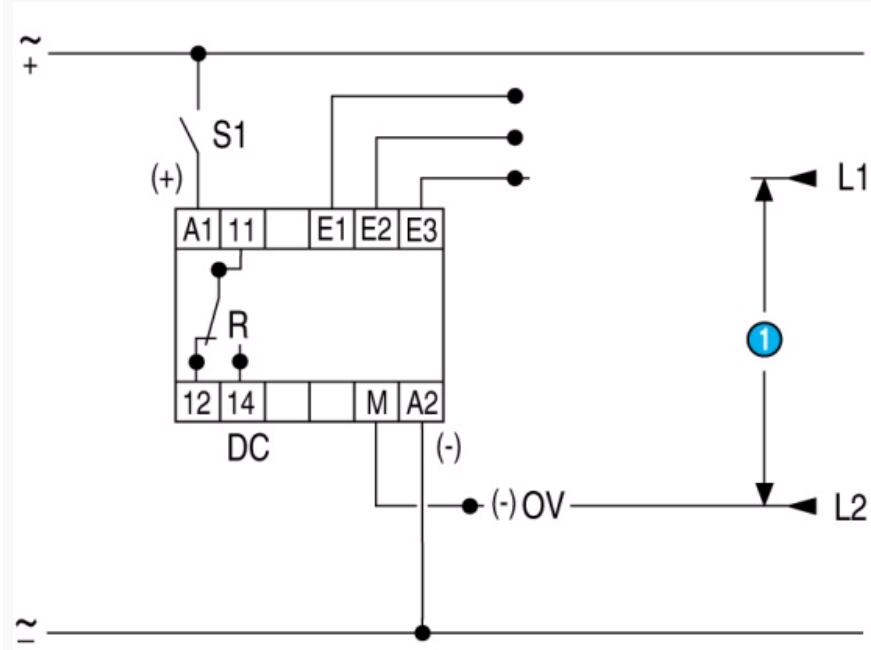
Dimensions (mm)

EUL / EUH



Connections

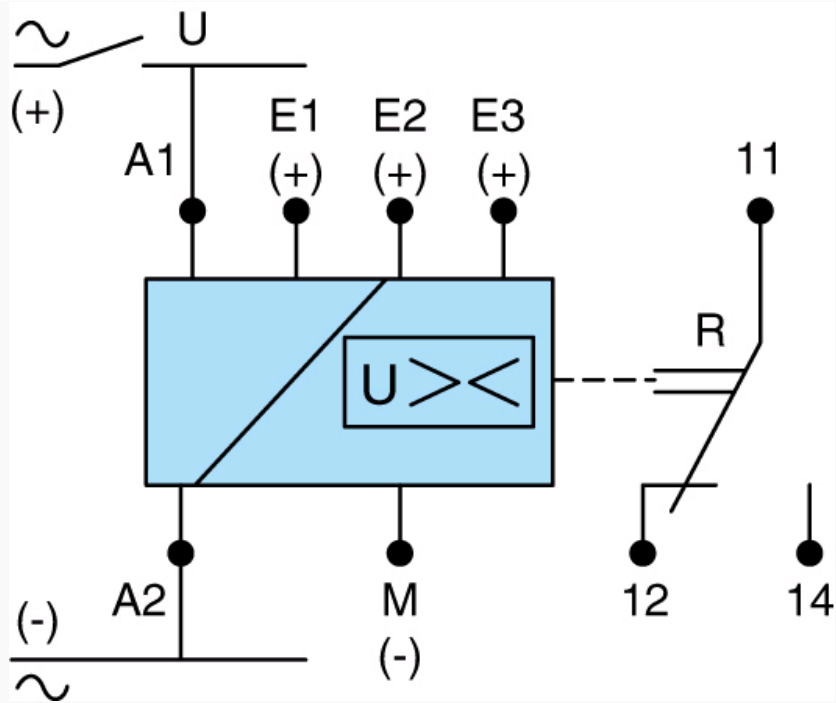
CA EUH DU\_C01



| N° | Legend                       |
|----|------------------------------|
| ①  | *** TRADUCTION MANQUANTE *** |

Connections

CA EULH\_C01



| N° | Legend                       |
|----|------------------------------|
|    | *** TRADUCTION MANQUANTE *** |

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