



# Timer, Counter

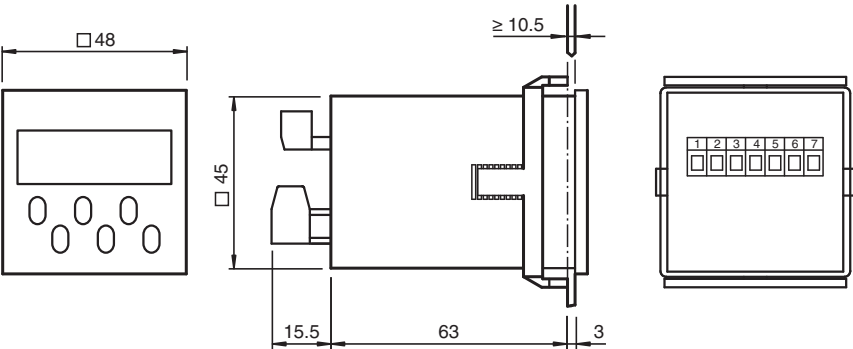
## KCY1-6SR-B

- Simple pre-selection setting via one button per decade
- Easy-to-read 2-line LCD indicator
- With battery operation
- Relay output
- Input for keypad locking
- Pulse and time batch controller with counter and reset input

Pulse/batch controller



### Dimensions



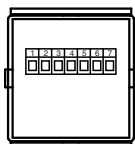
### Technical Data

|                                      |                                                 |
|--------------------------------------|-------------------------------------------------|
| General specifications               |                                                 |
| Pre-selection                        | single                                          |
| Data storage                         | 5 x 10 <sup>6</sup> switching cycles or 8 years |
| Programming                          | keypad-driven menu                              |
| Functional safety related parameters |                                                 |
| MTTF <sub>d</sub>                    | 1100 a                                          |
| Mission Time (T <sub>M</sub> )       | 10 a                                            |
| Diagnostic Coverage (DC)             | 0 %                                             |
| Indicators/operating means           |                                                 |

## Technical Data

|                                            |                                         |                                                                                     |
|--------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|
| Type                                       | 2-line, 7-segment LC display with signs |                                                                                     |
| Number of digits                           |                                         | 6                                                                                   |
| Display value                              |                                         | digit height 7 mm                                                                   |
| Pre-selection                              |                                         | digit height 4.5 mm                                                                 |
| Key interlock                              |                                         | via external "high" signal                                                          |
| Display interval                           |                                         | 0 ... 999999<br>Display area for the time batch controller: seconds, minutes, hours |
| Decimal point                              |                                         | 0 to max 3 fractional digits                                                        |
| Scale factor                               |                                         | -                                                                                   |
| Refresh cycle of the measured value output |                                         | 0.1 ... 99.9 seconds, programmable                                                  |
| Reset                                      |                                         | manually or external                                                                |
| <b>Electrical specifications</b>           |                                         |                                                                                     |
| Operating voltage                          | U <sub>B</sub>                          | Battery 2 x 3.6 V                                                                   |
| <b>Input</b>                               |                                         |                                                                                     |
| Counting frequency                         |                                         | max. 30 Hz                                                                          |
| Impedance                                  |                                         | 110 kOhm                                                                            |
| Counting method                            |                                         | adding or subtracting                                                               |
| <b>Output</b>                              |                                         |                                                                                     |
| Relay                                      |                                         | normally open contact (max. 60 VA)<br>230 V AC/0.5 A; 60 V DC/2 A                   |
| Response time                              |                                         | < 20 ms                                                                             |
| <b>Ambient conditions</b>                  |                                         |                                                                                     |
| Ambient temperature                        |                                         | -20 ... 65 °C (-4 ... 149 °F)                                                       |
| Storage temperature                        |                                         | -20 ... 60 °C (-4 ... 140 °F)                                                       |
| Relative humidity                          |                                         | ≤ 80 % (noncondensing)                                                              |
| <b>Mechanical specifications</b>           |                                         |                                                                                     |
| Mass                                       |                                         | 80 g                                                                                |
| Dimensions                                 |                                         | 48 mm x 48 mm x 85 mm                                                               |
| Mounting                                   |                                         | latch fastener (dimension 50.5 mm x 54.5 mm)                                        |

## Connection



| Terminal No. |                                          |
|--------------|------------------------------------------|
| 1            | +3 V DC for terminal 2                   |
| 2            | Input of push-button lock                |
| 3            | Relay contact                            |
| 4            | Relay contact                            |
| 5            | AC/DC optocoupler count input            |
| 6            | AC/DC optocoupler reset input            |
| 7            | Common AC/DC input for terminals 5 and 6 |