



Model Number

KCY1-6SR-B

Pulse/batch controller

Features

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

Technical data

General specifications

| | |
|---------------|---|
| Pre-selection | single |
| Data storage | 5 x 10 ⁶ switching cycles or 8 years |
| Programming | keypad-driven menu |

Functional safety related parameters

| | |
|--------------------------------|--------|
| MTTF _d | 1100 a |
| Mission Time (T _M) | 10 a |
| Diagnostic Coverage (DC) | 0 % |

Indicators/operating means

| | |
|--|---|
| 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 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 |

Electrical specifications

| | | |
|-------------------|----------------|-------------------|
| Operating voltage | U _B | Battery 2 x 3.6 V |
|-------------------|----------------|-------------------|

Input

| | |
|--------------------|-----------------------|
| Counting frequency | max. 30 Hz |
| Impedance | 110 kOhm |
| Counting method | adding or subtracting |

Output

| | |
|---------------|---|
| Relay | normally open contact (max. 60 VA) 230 V AC/0.5 A; 60 V DC/2 A |
| Response time | < 20 ms |

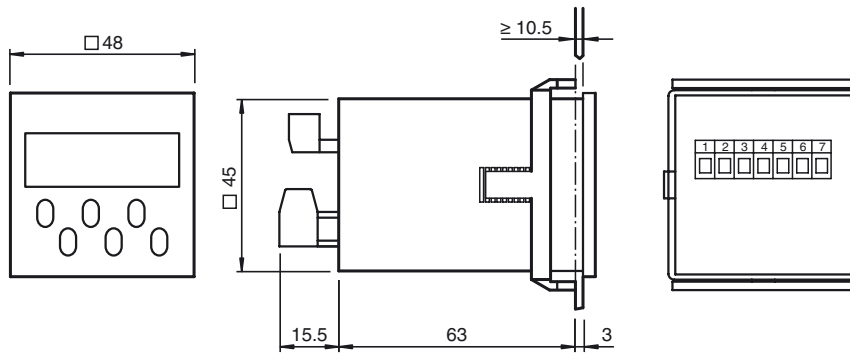
Ambient conditions

| | |
|---------------------|-------------------------------|
| Ambient temperature | -20 ... 65 °C (-4 ... 149 °F) |
| Storage temperature | -20 ... 60 °C (-4 ... 140 °F) |
| Relative humidity | ≤ 80 % (noncondensing) |

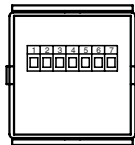
Mechanical specifications

| | |
|------------|--|
| Mass | 80 g |
| Dimensions | 48 mm x 48 mm x 85 mm |
| Mounting | latch fastener (dimension 50.5 mm x 54.5 mm) |

Dimensions



Electrical 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 |