



Model Number

KCY1-6SR-B

Features

- Addition/Subtraction pre-select counter
- 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

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
Decimal point	0 to max 3 fractional digits
Scale factor	-
Reset	manually or external

Electrical specifications

Operating voltage	U _B	Battery 2 x 3.6 V
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Input

Counting frequency	25 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

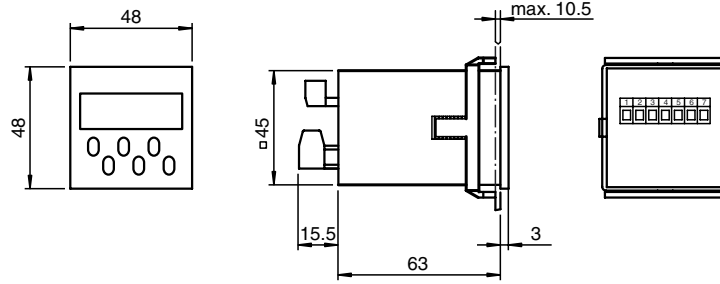
Ambient conditions

Ambient temperature	-10 ... 50 °C (14 ... 122 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Relative humidity	≤ 80 % (noncondensing)

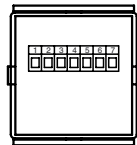
Mechanical specifications

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