



Model Number

KC-LED-96-1T-24VDC

LED display with 24 V_{DC} supply voltage

Features

- Counter/Timer/Tachometer
- Extremely bright, large LED indicator
- 1 pre-select value with transistor output
- Adding/subtracting via 2 separate inputs
- PNP and NPN sensors can be connected
- Protection degree IP65 (front only)

Technical data

General specifications

Pre-selection	single
Data storage	EEPROM
Programming	keypad-driven menu

Functional safety related parameters

MTTF _d	330 a
Mission Time (T _M)	10 a
Diagnostic Coverage (DC)	0 %

Indicators/operating means

Type	6-digit 7-segment LED display, red
Display value	digit height 14 mm
Display interval	0.001 s ... 999999 h
Decimal point	0 to max 3 fractional digits
Accuracy	Speed indicator: < 0.1%; timer: < 50 ppm
Reset	manually or external

Electrical specifications

Fusing	10 ... 30 V DC: T 0.1 A
Operating voltage	U _B 10 ... 30 V DC
Operating current	max. 50 mA

Input

Signal voltage	
High	0.6 x U _e ... 30 V DC
Low	0 ... 0.2 x U _e
Counting frequency	30 Hz / 60 kHz with position display max. 25 kHz
Minimum pulse duration	5 ms for reset input
Impedance	approx. 5 kOhm
Counting method	adding or subtracting

Ambient conditions

Ambient temperature	-20 ... 65 °C (253 ... 338 K) non-condensing
Storage temperature	-25 ... 70 °C (248 ... 343 K)
Altitude	0 ... 2000 m

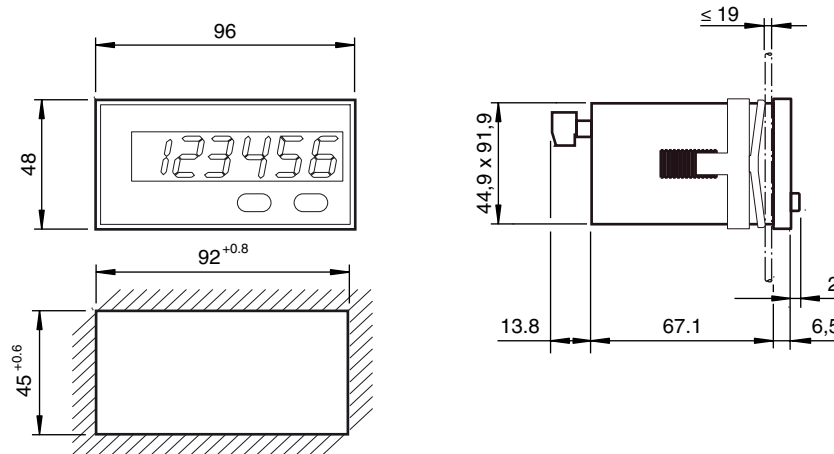
Mechanical specifications

Protection degree	IP65 (front)
Mass	approx. 140 g
Dimensions	96 mm x 48 mm x 89.4 mm

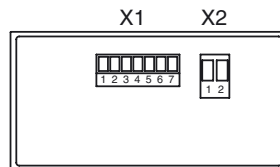
Compliance with standards and directives

Directive conformity	
EMC Directive 2004/108/EC	EN 61000-6-2:2005
Standard conformity	
Emitted interference	DIN EN 55011:2009, Class B

Dimensions



Electrical connection



Connection assignment X2

Terminal No.	DC version
1	Power supply 0 V DC (GND)
2	Power supply 10 ... 30 V DC

Connection assignment X1

Terminal No.	DC version
1	Optocoupler collector output
2	Optocoupler emitter output
3	SET
4	INP B
5	INP A
6	n.c.
7	n.c.