



Model Number

KC-LCD-24-24VDC

LCD display with 24 V_{DC} supply voltage

Features

- PNP and NPN sensors can be connected
- Easy-to-read 7-digit LCD display
- Protection degree IP65 (front only)

Technical data

General specifications

Data storage	EEPROM
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Indicators/operating means

Type	7-digit 7-segment LC display
Display value	digit height 8 mm
Display interval	0 ... 9999999
Scale factor	1 ... 4095 (Factory setting)
Reset	manually or external

Electrical specifications

Operating voltage	U _B	10 ... 30 V DC
Operating current		max. 25 mA

Inputs

Voltage	low: 0 ... 2 V DC high: 3.5 ... 30 V DC Switching threshold approx. 2.7 V
Impedance	10 kΩ
Switch-on delay	500 ms

Input 1

Input type	Counter input PNP: fast input, PNP-switching
Input frequency	max. 8 kHz

Input 2

Input type	Counter input NPN: slow input, NPN-switching
Input frequency	max. 48 Hz

Input 3

Input type	Activation input reset button: static NPN input
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Input 4

Input type	Reset input: flank-triggered NPN input (min. 20 ms)
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Ambient conditions

Ambient temperature	-20 ... 65 °C (253 ... 338 K)
Storage temperature	-25 ... 75 °C (248 ... 348 K)

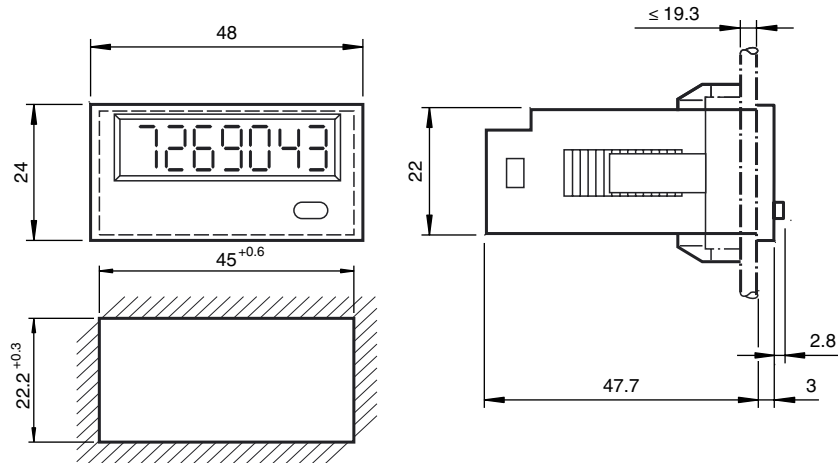
Mechanical specifications

Protection degree	IP65 (front) IP20 (Connection side)
Mass	approx. 40 g
Dimensions	48 mm x 24 mm x 53.5 mm

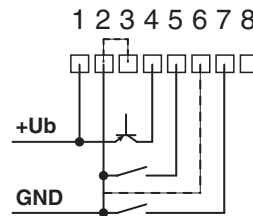
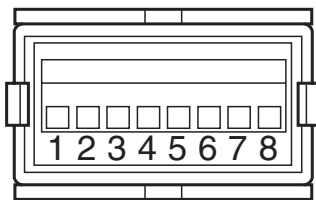
Compliance with standards and directives

Directive conformity	
EMC Directive 2004/108/EC	EN 61000-6-2:2005
Standard conformity	
Emitted interference	DIN EN 55011:2009, Class B
Mech. capacity	EN 60068-2-6:2008 10 ... 55 Hz / 1 mm / XYZ 30 min in each direction
Shock and impact resistance	device in operation: 100 G / XYZ; EN 60068-2-27:1995 device in operation: 10 G / XYZ; EN 60068-2-29:1995

Dimensions



Electrical connection



Function and terminal assignment

Terminal	Text on device	Function
1	10 - 30 V DC	Supply voltage +Ub
2	GND	0 V DC
3	GND	0 V DC
4	INP PNP	fast counting input
5	INP NPN	slow counting input
6	RESET ENABLE	Reset key enable input
7	RESET	Reset input
8	n.c.	not used