



Pulse/batch controller

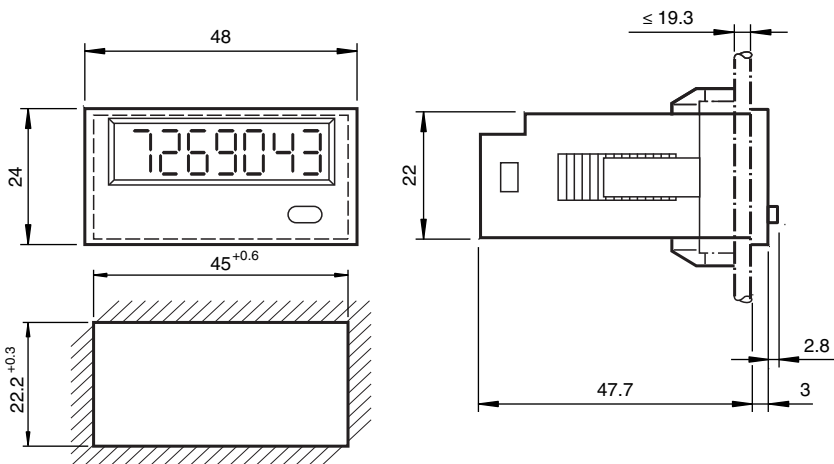
KC-LCD-24-24VDC

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

LCD display with 24 VDC supply voltage



Dimensions



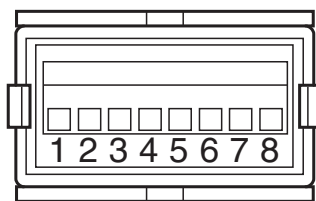
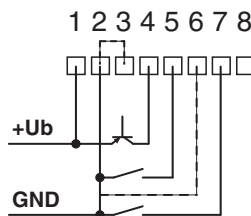
Technical Data

General specifications		
Data storage		EEPROM
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	I _B	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

Technical Data

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
Input 4		
Input type		Reset input: flank-triggered NPN input (min. 20 ms)
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
Ambient conditions		
Ambient temperature		-20 ... 65 °C (-4 ... 149 °F)
Storage temperature		-25 ... 75 °C (-13 ... 167 °F)
Mechanical specifications		
Degree of protection		IP65 (front) IP20 (Connection side)
Mass		approx. 40 g
Dimensions		48 mm x 24 mm x 53.5 mm

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	Activation input
	ENABLE	Reset
7	RESET	Reset input
8	n.c.	not used

Release date: 2020-03-23 Date of issue: 2020-03-26 Filename: 215122_eng.pdf