

LCD-timer

KH-LCD-24-24VDC

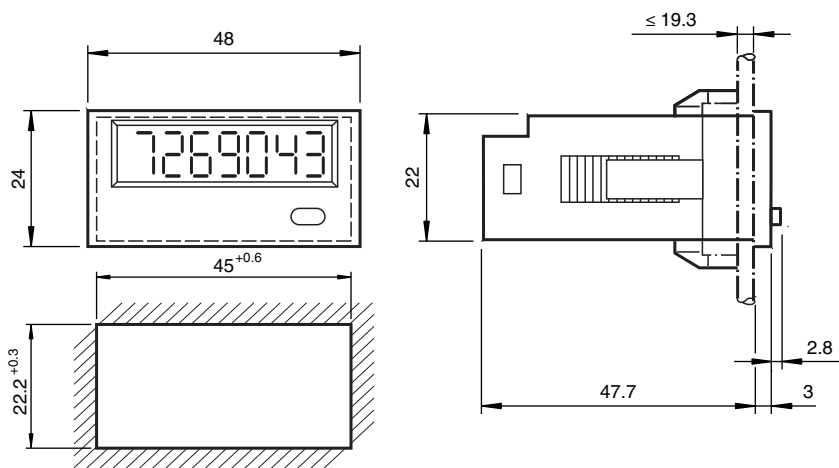


- Timer/hour meter
- Separate start input available
- Easy-to-read 7-digit LCD display
- Lockable reset
- Degree of protection IP65 (front only)

LCD operating hours counter with 24 VDC supply voltage



Dimensions



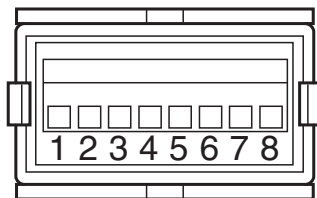
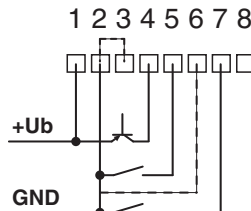
Technical Data

General specifications		
Data storage		EEPROM
Indicators/operating means		
Type		7-digit 7-segment LC display Hourglass as operating indicator
Display value		digit height 8 mm
Display interval		0.00 ... 99999.99 h
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

Measuring time	min. 200 ms
Input 1	
Input type	Counter input PNP: static PNP input
Input 2	
Input type	Counter input NPN: static NPN input
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	static counting input $\geq 3,5$ V
5	INP NPN	static counting input ≤ 2 V
6	RESET MANUEL ENABLE	Reset key enable input
7	RESET	Reset input
8	n.c.	not used

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