lilltec
Messtechnik eK

Datasheet

The LED matrix display series WMA3264P6 is ideally suited for visualizations of situational data in indoor as well as outdoor areas.
The utilized LED matrix modules stand out through their extremely bright SMD LEDs which provide clear readability even in poor lighting conditions, e. g. directly incoming sun rays.
The wide viewing angle of SMD LEDs ensures excellent readability over a very large field of view.

Mechanical Data

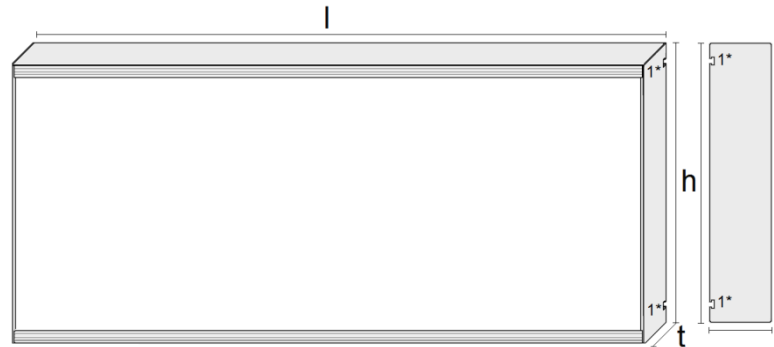|		
Display		LED display / RGB; 16 colors preset
	Matrix Area	32 x 64 LEDs
	Digit Height	<16.5 cm
	Digit Width	>4.2 cm
	Font	different fonts and font sizes selectable
Dimensions		258 x 410 x 70 mm
	Display Area	192 x 384 mm
Material		
	Housing	aluminum; silver anodized
	Windows	Plexiglas; non-reflecting; grey
Weight		3.5 kg
Connectors		Phönix Quickon/ quick connection
	230 VAC; 50 Hz	3 pins; braid 0.75 – 1.5 mm²
	18 – 36 VDC	4 pins; braid 0.75 – 1.5 mm²
IP-Rating		IP54 (indoor applications) IP65 (outdoor applications)

Electrical Data

Power Supply	230 VAC; 50 Hz 18 – 36 VDC
Consumption	<18 W / 32 W (indoor applications) <22 W / 42 W (outdoor applications)
Interface[1]	RS232; RS485; Can-Bus; Ethernet TCP/IP; EtherNet/IP; PROFIBUS DP; PROFINET; WLAN; Bluetooth; USB

[1]Further interfaces available on request, e. g. A/D converter; time; timer; BCD; SPS-compatible; temperature; counter; rotational speed; rotary encoder

Willtec Messtechnik ek • Eschenweg 4 • 79232 March-Hugstetten, Germany
Phone:07665/93465-0 • Fax:07665/93465-22 • Email: info@willtec.de • Internet: www.willtec.de

Measure **Indicate** Control Sensors Mechanics Accessory

page 1 out of 4

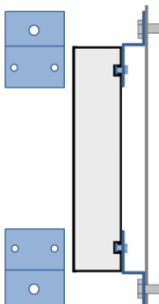WMA3264P6_DB_16-02-2018_EN

Datasheet

Dimensions

height (h): 158 mm
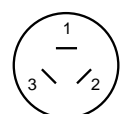length (l): 410 mm
depth (t): 70 mm
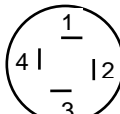1* mounting slot 10.5 x 4.5 mm

Mounting

Mounting of the display is easily done through respective mounting slots.

mounting kit BS L200	lifting lug AOE L200	wall mounting kit WM L200
mounting on existing back / ceiling or floor plate consists out of: 4x M6 nuts/ bolts 2x square nuts plug position[1]: bottom right	ceiling mounting, suspensions consists out of: 2 lifting lugs plug position[1]: top right	wall mounting/ mounting backside consists out of: 2x wall mounting brackets 4x M6 nuts/ bolts plug position[1]: bottom right

[1]If present conditions require different plug positions, it is possibly to have them adjusted individually. Possible plug positions: right, left, top, down, back

Pin Assignment

	230 VAC; 3-pin	18-36 VDC; 4-pin
PIN		
1	L	+24 VDC
2	N	GND
3	⏚	Nc
4		⏚

WMA3264P6_DB_16-02-2018_EN

Measure **Indicate** Control Sensors Mechanics Accessory

Datasheet

Ordering Example

Type	WMA3264P6	-	GI	.	C
32 = height (number of pixels)					
64 = width (number of pixels)					

Power Supply			
G = 24 VDC			
H = 230 VAC			

IP-Rating	
I = IP54	
O = IP65	

Interface/ Control[1)]

Z	= RS232
V	= RS485
C	= CAN-Bus
P	= PROFIBUS DP
E	= Ethernet TCP/IP
PN	= PROFINET
EI	= Ethernet/IP
W	= WLAN
B	= Bluetooth
U	= USB

[1)]Further interfaces available on request, e. g. A/D converter; time; timer; BCD; SPS-compatible; temperature; counter; rotational speed; rotary encoder

Scope of Delivery

- **LED matrix display**
- **mounting kit BS L200**
- **counter plug – industry ready plug IP54 or IP65**
- **datasheet**
- **LX-protocol-description** – data connection to external systems
  In order to connect to external systems, all relevant display and general functions are summed up in a simple data transfer protocol. This protocol ensures control of the display and transfer of text information from various systems and processes. A wide range of fonts and font sizes specifically designed for LED displays is available.
  All display depictions can be designed individually via command codes. Using additional PC software is therefore not necessary.
- **PC-operating software LX**

Willtec Messtechnik ek • Eschenweg 4 • 79232 March-Hugstetten, Germany
Phone:07665/93465-0 • Fax:07665/93465-22 • Email: info@willtec.de • Internet: www.willtec.de

page 3 out of 4

Measure Indicate Control Sensors Mechanics Accessory

WMA3264P6_DB_16-02-2018_EN

Datasheet

PC-operating software LX – for industrial applications
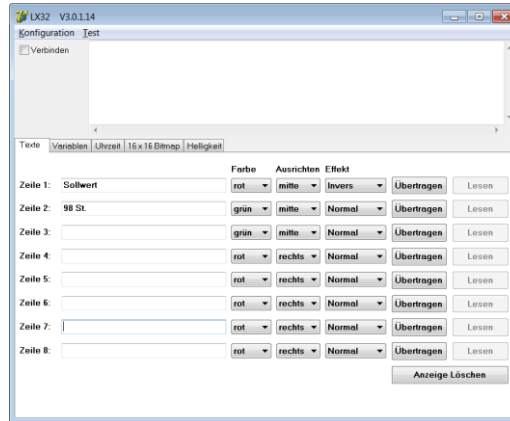
A simple operating software is available for various applications in the industrial sector. The PC operating software allows the input of information and overlay of various residual effects (for example tickers, blinking, …)

overview of functionalities

- configuration of the display
- storing/ transferring to the LED matrix display
- implementation of real-time information, for example time, date of external measured values
- adjustment and configuration of fade-in effects

available interfaces:
RS232; RS2485; Ethernet; CANBUS; PROFIBUS; PROFINET; and many more

PC-operating software LX – for advertising purposes
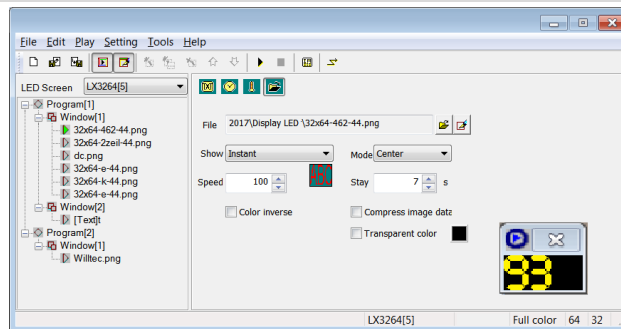
A second PC operating software is available for the design of successful advertisements. The operating software **LEDCENTER** allows the input of information, the preparation of sequences and the fade-in of more than 30 text effects.

overview of functionalities:

- configuration of the display
- preparation of sequences
- utilization of Microsoft fonts
- fade-in of bitmaps
- storing of information and transferring to the LED matrix display
- adjustment and configuration of fade-in effects

available interfaces:
RS232; RS2485; Ethernet; WLAN; USB; and many more

WMA3264P6_DB_16-02-2018_EN

Measure   Indicate   Control   Sensors   Mechanics   Accessory