

MZI - MULTICOLOUR TEXT DISPLAY WITH INTERBUS INTERFACE

Features

- Maintenance free LED -display ready to connect
- Available in two pixel sizes
- 16 colours
- 2 Byte data width each cyclus
- 500 kBit data transfer rate
- 4 font sizes (at the same time)
- 5 fonts (at the same time)
- 6 presentation types
- Character set according to ISO/IEC-norms
- Up to 8 free definable fields
- Integrated clock and date function
- Integrated text storage
- Integrated power supply
- Industrial case design
- Case protection class IP 54
- WIBOND standard polishing



Advantages

- Good readability, also at greater distances, through light-intensive display modules
- Long-life display modules
- Multicolor representation
- Optimal display for environmental conditions (e.g. .brightness, font size)
- Wide reading angle
- Information displayed in clear text
- Low power input
- All connections accessible from the outside
- Real-time data transfer
- Minimal demand of cyclus time
- Remote or local bus participant
- Fast update time
- Enlarged international character set
- Representation of descenders
- Power supply with wide range input

Options

- More sides, more lines
- Serial interface RS 232
- Custom case design
- Adjustable mounting angle
- Case finish in any RAL-colour
- Case design (aluminium, stainless steel or other materials)
- Case protection class IP 65
- Case design for Ex-area
- Individual mounting possibilities
- Up to 2MBit data transfer rate
- Connection over LWL (Rugged Line)
- Ultra Bright LED's for areas with high ambient light
- Audible output
- Wide temperature range
- Power supply 24VDC \pm 20%

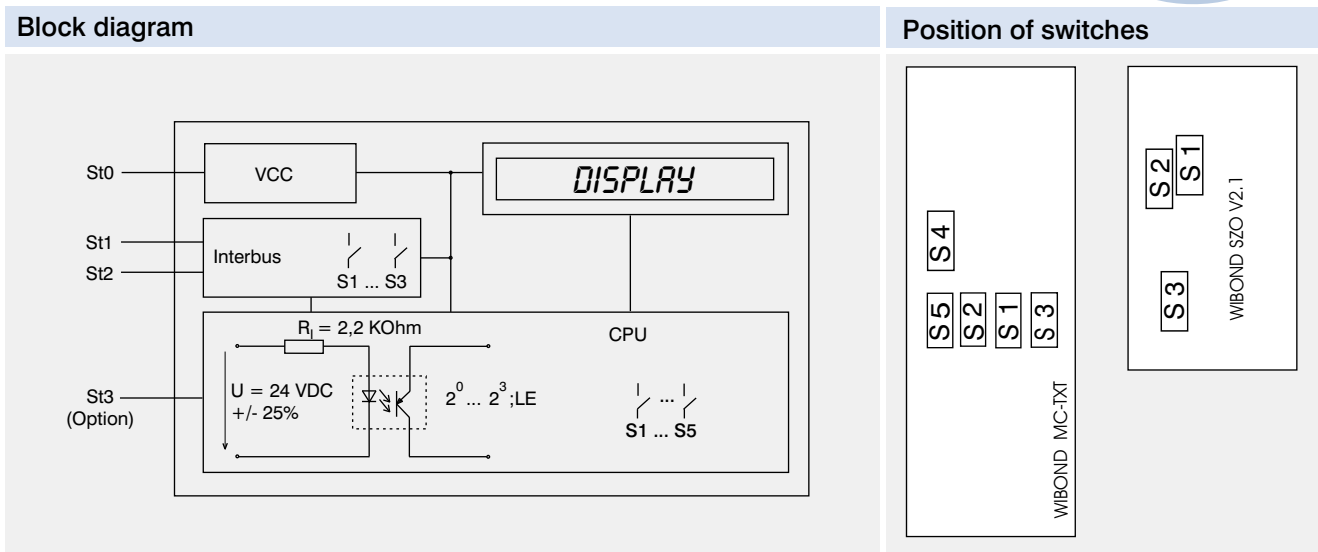
Application examples

- Production data (motivation of employees e.g.. plan-, actual-, trend-representation)
- Controlling and recognition of defects or incidents (e.g. fault message displays, diagnostic system)
- Logistical information (e.g. article numbers, description of goods)
- Traffic information (e.g. car park control system)
- Danger warnings (e.g. fire alarms)
- General information to employees (e.g. place and time of a meeting)
- Visitor information (e.g. welcome messages)
- Call-up systems (e.g. with audible call for next customer)

Technische Daten

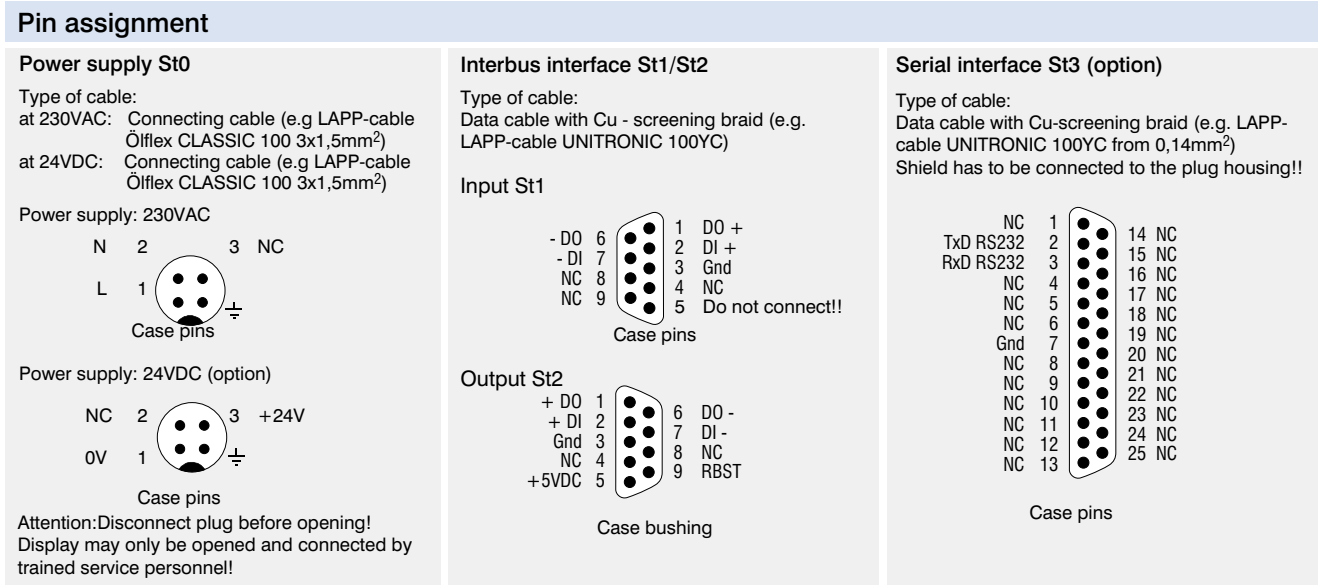
	Standard Resolution	High Resolution
Digit height (font height)	50, 60, 90, 120 mm	30, 35, 55, 70 mm
Reading distance	approx. 20 m with 50 mm digit height	approx. 10 m with 30 mm digit height
	approx. 25 m with 60 mm digit height	approx. 15 m with 35 mm digit height
	approx. 35 m with 90 mm digit height	approx. 22 m with 55 mm digit height
	approx. 50 m with 120 mm digit height	approx. 30 m with 70 mm digit height
Number of digits at fix character width	max. 42 digits with 50 mm digit height	max. 42 digits with 30 mm digit height
	max. 42 digits with 60 mm digit height	max. 42 digits with 35 mm digit height
	max. 28 digits with 90 mm digit height	max. 28 digits with 55 mm digit height
	max. 21 digits with 120 mm digit height	max. 21 digits with 70 mm digit height
Display area	max. 120 x 1950 mm	max. 70 x 1220 mm
Pixel diameter	5 mm	3 mm
Pixel pitch	7,62 mm	4,76 mm
Resolution	max. 16 x 256 pixels	
Reading angle	$\pm 75^\circ$	
Colours	16	
Character set	ISO/IEC 8859 with extension ISO/IEC 8859-1	
Operating voltage	100...240VAC / 50...60Hz	
IDENT-Code	01	
Participant type	2 conductor remote/local bus	
Data width each cyclus	2 Byte	
Data transfer rate	500 kBit	
Text storage	64 kByte (10 years data protection)	
Integrated clock	quartz controlled (1 week power reserve)	
Case design	one- or two sided	
Case material	sheet steel	
Case mounting	wall mounting or suspended	
Case colour	RAL 7015 (slate-gray)	
Case protection class IP 54	DIN EN 60529	
Electrical safety	DIN EN 60950	
Radiated interference	DIN EN 50081	
Interference immunity	DIN EN 50082	
Plexiglas	anti-reflection coated	
Temperature area	0 ... +50 °C	
Relative humidity	0 ... 90 % not condensed	

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Adjustment

<p>Interface S1 (WIBOND MC-TXT)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr> </table> <p>Do not change!</p>	1	2	3	4	5	6	7	8	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	<p>S2 (WIBOND MC-TXT)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td><td>ON</td><td>OFF</td></tr> </table>	1	2	3	4	5	6	7	8	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	<p>S1 (WIBOND SZO V2.1)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>ON</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td><td>ON</td><td>ON</td><td>OFF</td></tr> </table> <p>Do not change!</p>	1	2	3	4	5	6	7	8	ON	ON	OFF	ON	OFF	ON	ON	OFF																																
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* Factory settings (if there is no agreement between customer and WIBOND!)