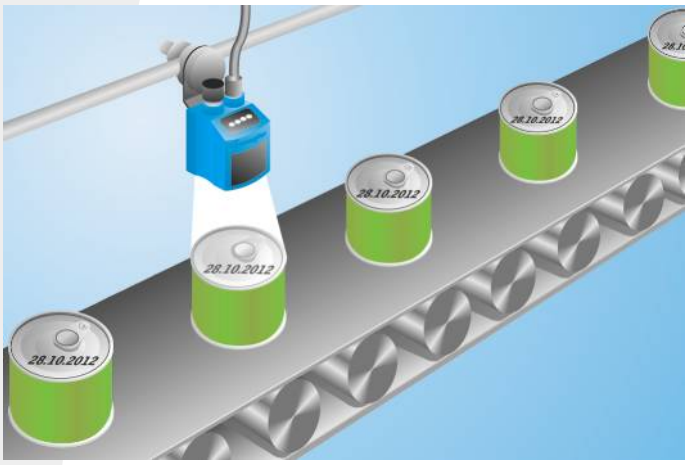
OCR Reader

BR40M1R10

Part Number

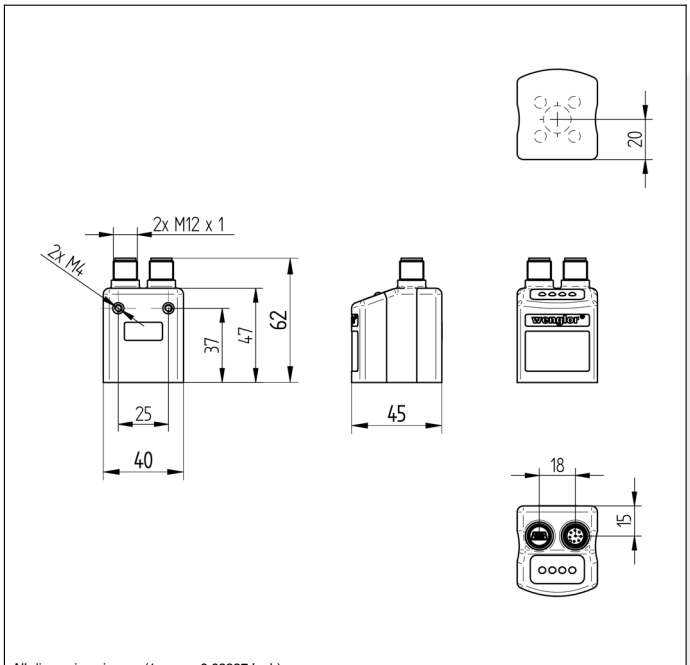
- **!!! AUTOFOCUS !!!**
- **20 projects and 20 character sets can be saved inside the sensor**
- **Outputs and Inputs freely programmable**
- **Secure reading of characters and symbols**

The wenglor OCR Reader reads up to 100 characters concurrently. The minimum dimensions of a character are approx. 0,75 × 1,25 mm. Reading, comparing, Good/Bad-evaluation of characters and symbols are assured. For the transfer of the process data, an RS-232 interface is available.



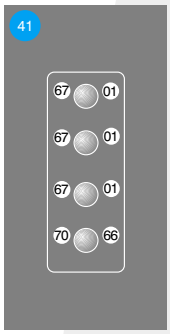
Technical Data

Optical Data	
Working Range	> 20 mm
Resolution	752 × 480 Pixel
Image chip	monochrome
Light Source	Red Light
Service Life (T = +25 °C)	100000 h
Field of vision	see Table 1
Image Repetition Rate	100 Hz
Electrical Data	
Supply Voltage	18...30 V DC
Current Consumption (Ub = 24 V)	< 200 mA
Response Time	> 10 ms
Temperature Range	0...40 °C
Inputs/Outputs	4
Switching Output Voltage Drop	< 1,5 V
Switching Output / Switching Current	200 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Interface	RS-232
Protection Class	III
Mechanical Data	
Adjustment	USB 2.0
Housing Material	Plastic
Degree of Protection	IP67
Connection	M12 × 1; 8-pin
Function	
OCR	yes
Configurable as PNP/NPN/Push-Pull	●
NO/NC switchable	●
Ready Output	●
Illumination Output	●
RS-232 Interface	●
USB Interface	●
Connection Diagram No.	768
Control Panel No.	41
Suiting Connection Technology No.	88
Suiting Mounting Technology No.	360



All dimensions in mm (1 mm = 0.03937 Inch)

Ctrl.Panel



01 = Switching Status Indicator
66 = USB Status
67 = Busy
70 = Run / Trigger

Complementary Products

Connection Cable BG2BSW1-08M
Floodlight ZFFx09-0x
Polarizing Filter ZVPB40001
Protection Housing ZSV-0x-01
Ring Illuminator ZFRx11-01
Spot Light ZFSx08-0x
Spot Light ZFSx10-01

Table 1

Working Distance	20 mm	200 mm	1000 mm
Field of vision	18 × 12 mm	140 × 90 mm	700 × 450 mm

Specifications are subject to change without notice