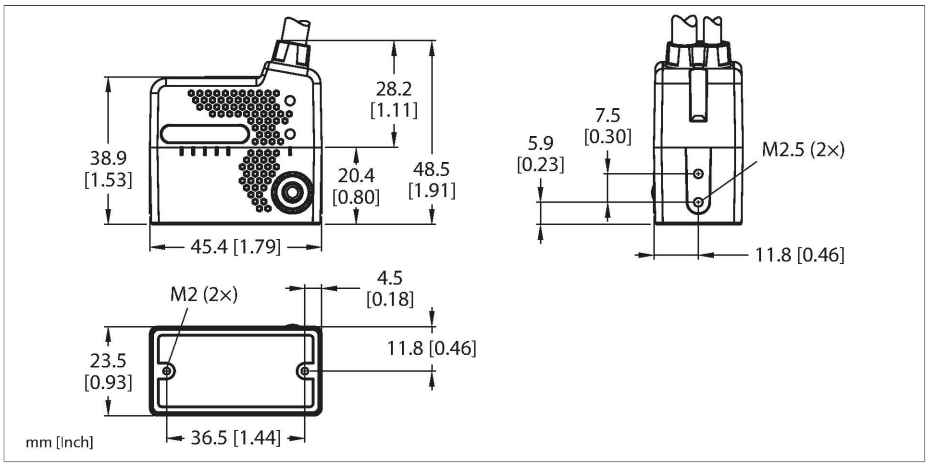
ABR3009-WSE1
Barcode Reader — Scanner



Technical data

Type	ABR3009-WSE1
ID	3804433
Camera data	
Function	Barcode reader - scanner
Image sensor	CMOS
Resolution	752 × 480 pixels
Frame rate	57 fps
Light type	White
Brennweite	9 mm
Electrical data	
Operating voltage U_B	5…30 VDC
DC rated operating current I_e	≤ 400 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Communication protocol	EtherNet/IP FTP Modbus TCP PROFINET RS232 RS422
Output function	NO/NC, PNP/NPN
Power on display	LED, Blue
Switching state	LED, Green
Error indication	LED, red
Mechanical data	
Design	Rectangular, ABR
Dimensions	45.4 x 39 x 23.5 mm
Housing material	Metal, AL

Features

- Camera-based barcode reader, 1D codes
- WVGA resolution, 752 × 480
- 9-mm lens
- Integrated lighting, white
- Operating voltage 5…30 VDC
- Two PNP/NPN switching outputs, selectable via software
- Industrial Ethernet: PROFINET, Ether-Net/IP, Modbus/TCP
- Serial interface, RS232/RS422
- Compact aluminum housing
- Protection class IP65

Functional principle

Camera-based barcode readers reliably capture 1D and 2D barcodes in any orientation. The ABR product series offers code-reading solutions that reliably decode hard-to-read codes, damaged codes and low-quality codes, as well as codes printed on highly reflective surfaces. The compact design with IP65 protection class offers reliable use in industrial environments. With resolutions of up to 1.2 MP, multiple lighting configurations, lens focal distances and polarized windows, the ABR product series can handle even the most demanding track-and-trace applications. The barcode readers can be quickly configured via the Barcode Manager software, as well as with the integrated Quick Teach button.
The configuration options via Industrial Ethernet, serial and USB interfaces simplify device integration and enable IIoT data recording.

Technical data

Window material	Plastic, Transparent
Electrical connection	Connector, M12 × 1, 17-wire, 1 m
Ambient temperature	0…+45 °C
Protection class	IP65
Tests/approvals	