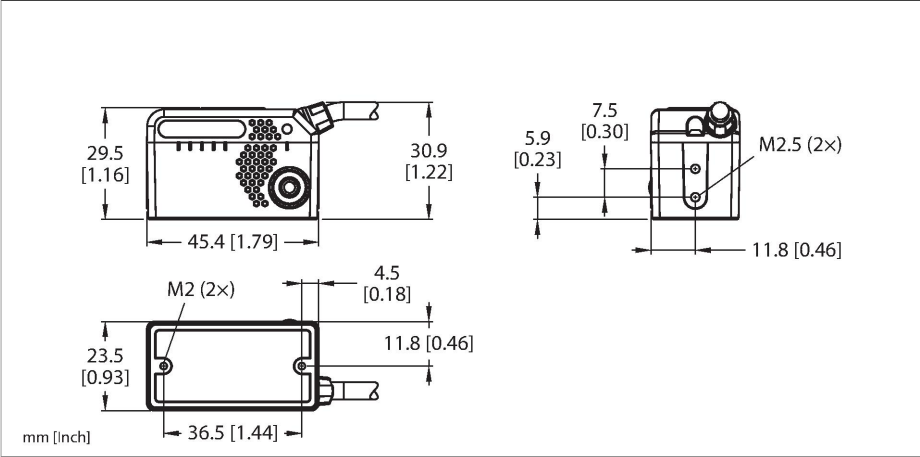


# ABR3106-WPU2

## Barcode Reader — Scanner



### Technical data

|                                           |                                  |
|-------------------------------------------|----------------------------------|
| Type                                      | ABR3106-WPU2                     |
| ID                                        | 3804438                          |
| Camera data                               |                                  |
| Function                                  | Barcode reader - scanner         |
| Image sensor                              | CMOS                             |
| Resolution                                | 1280 × 1024 pixels               |
| Frame rate                                | 36 fps                           |
| Light type                                | White                            |
| Brennweite                                | 6 mm                             |
| Electrical data                           |                                  |
| Operating voltage U <sub>B</sub>          | 5...30 VDC                       |
| DC rated operating current I <sub>e</sub> | ≤ 400 mA                         |
| Short-circuit protection                  | yes                              |
| Reverse polarity protection               | yes                              |
| Communication protocol                    | RS232<br>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                          | Aluminium                        |
| Window material                           | Plastic, Transparent             |
| Electrical connection                     | Connector, M12 × 1, 17-wire, 1 m |
| Ambient temperature                       | 0...+45 °C                       |

### Features

- Camera-based barcode reader, 1D/2D codes
- 1.2-MP resolution, 1280 × 960
- 6-mm lens
- Integrated lighting, white, polarized
- Operating voltage 5...30 VDC
- Two PNP/NPN switching outputs, selectable via software
- USB interface
- 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

|                  |      |
|------------------|------|
| Protection class | IP65 |
| Tests/approvals  |      |