

Barcode Line Scanner

CCD Array

BLN0H1R20

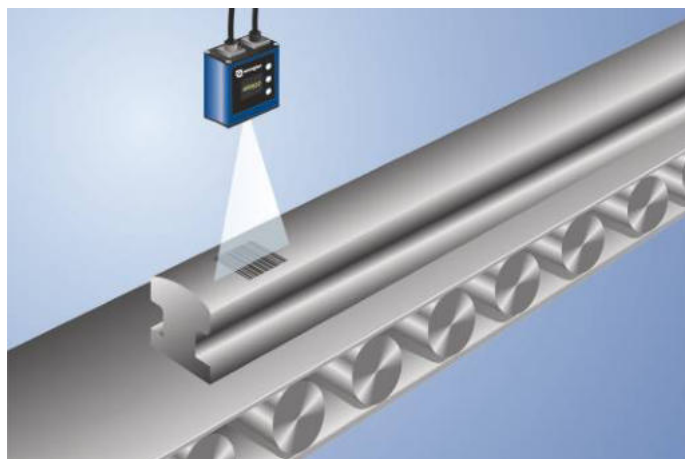
Part Number

Ethernet



- Compact housing
- Ethernet TCP/IP
- LED display indicates "good read"
- Red light
- Web server and graphic display for simple operation

This barcode scanner is suitable for reading 1D codes, which are printed or lasered on glossy materials. Even with slight contrast differences and poor code quality this scanner operates reliably. Readable code types: Standard Code39, Full ASCII Code39, Interleaved 2 of 5, China Postal Code, Codabar, Code32, MSI Plessey Code, Code11, Industrial 2 of 5, Matrix 2 of 5, Telepen Code, UK Plessey Code, IATA Code, Code93, EAN13, EAN8, UPC-A, UPC-E, Code128, UCC/EAN-128, RSS-14, RSSLimited.



Technical Data

Optical Data

| | |
|---------------------------|-------------|
| Barcode Density | Wide Angle |
| Read Range | 20...200 mm |
| Resolution | 0,075 mm |
| Light Source | Red Light |
| Wavelength | 625 nm |
| Service Life (T = +25 °C) | 100000 h |
| Max. Ambient Light | 70000 Lux |
| Opening Angle | 65 ° |
| Barcode Printing Contrast | > 30 % |

Electrical Data

| | |
|---|-----------------|
| Supply Voltage | 18...30 V DC |
| Port Type | 100BASE-TX |
| Current Consumption (U _b = 24 V) | < 100 mA |
| Scan Rate | 510 scans/sec |
| Temperature Range | -20...60 °C |
| Inputs/Outputs | 4 |
| Switching Output Voltage Drop | < 2,5 V |
| PNP Switching Output/Switching Current | 100 mA |
| Short Circuit Protection | yes |
| Reverse Polarity Protection | yes |
| Overload Protection | yes |
| Network Possibilities | Ethernet |
| Interface | RS-232/Ethernet |
| Protection Class | III |

Mechanical Data

| | |
|-----------------------------|------------------------|
| Housing Material | Aluminum |
| Weight | 130 g |
| Degree of Protection | IP67 |
| Connection | M12 × 1; 8-pin |
| Type of Connection Ethernet | M12 × 1; 8-pin, X-cod. |
| Web server | yes |

Configurable as PNP/NPN/Push-Pull

Switchable to NC/NO

Connection Diagram No.

Control Panel No.

Suitable Connection Equipment No.

Suitable Mounting Technology No.

002 786

X2

50 89

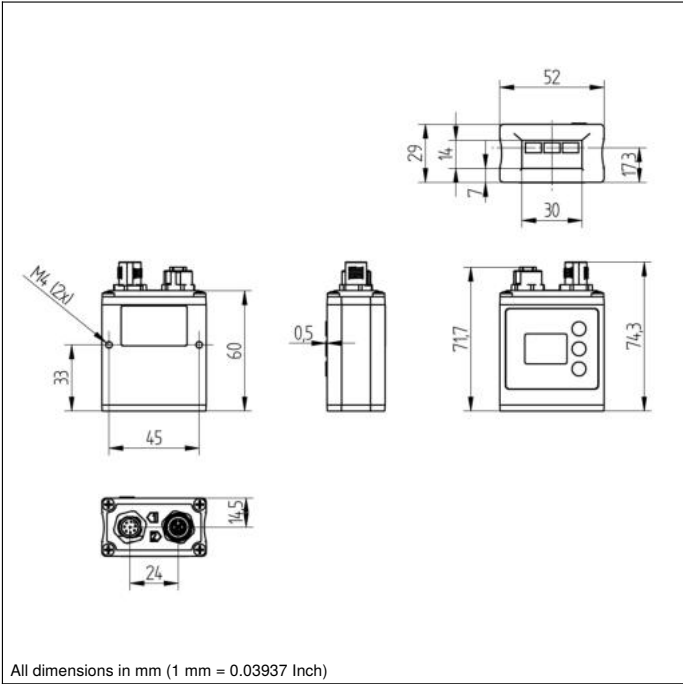
560

Display brightness may decrease with age. This does not result in any impairment of the sensor function.

Complementary Products

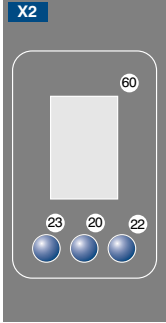
Fieldbus Gateway ZAGxxxN01, EPGG001

Protective Housing ZNNS001, ZNNS002



All dimensions in mm (1 mm = 0.03937 Inch)

Ctrl. Panel



20 = Enter Button
22 = UP Button
23 = Down Button
60 = Display

| Min. Resolution | Read Range | |
|----------------------|-------------|---------------------|
| 0,076 mm | 35...70 mm | Code 39 (12 digits) |
| 0,101 mm | 25...80 mm | Code 39 (4 digits) |
| 0,127 mm | 25...100 mm | Code 39 (4 digits) |
| 0,254 mm | 20...160 mm | Code 39 (4 digits) |
| 0,381 mm | 30...200 mm | Code 39 (4 digits) |
| 0,330 mm | 30...170 mm | UPC/EAN (13 digits) |
| Scanning field width | 110 mm | Code39 (0,330 mm) |

A = Resolution LA = Read Range SB = Scan Width

