

Barcode Line Scanner

CCD Array

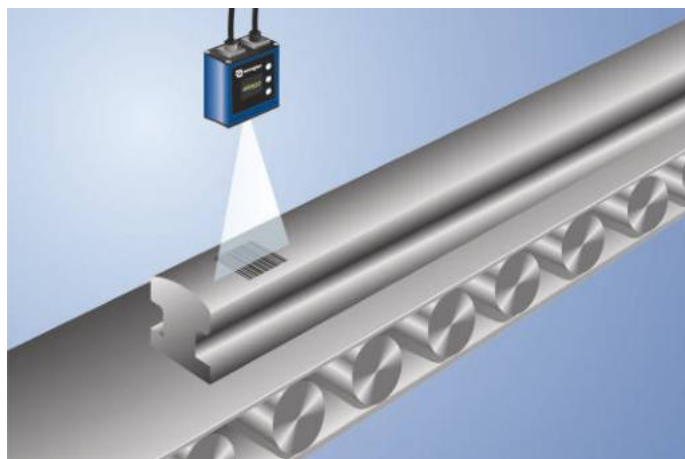
BLN0L1R20

Part Number



- 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.



Ethernet

Technical Data

Optical Data

Barcode Density	Long Range
Read Range	30...520 mm
Resolution	0,101 mm
Light Source	Red Light
Wavelength	625 nm
Service Life (T = +25 °C)	100000 h
Max. Ambient Light	70000 Lux
Opening Angle	40 °
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

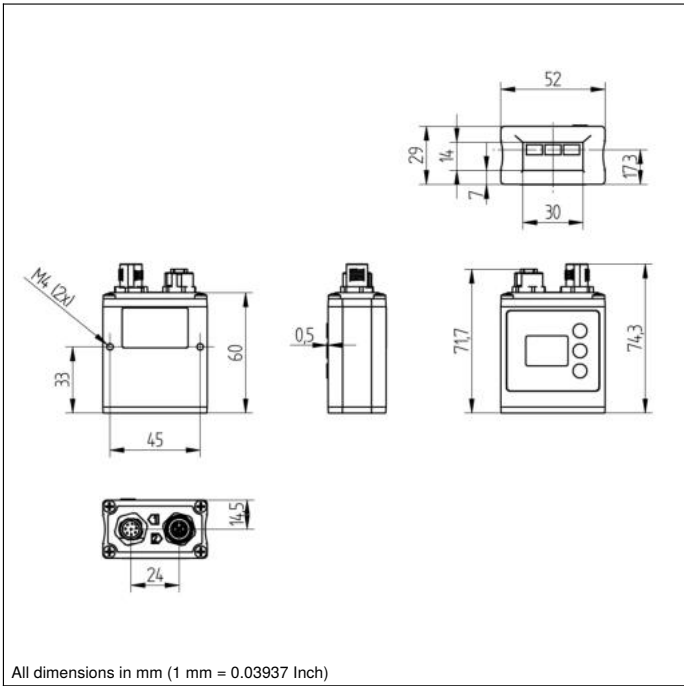
560

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

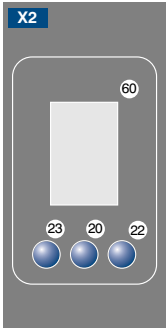
Complementary Products

Fieldbus Gateway ZAGxxxN01, EPGG001

Protective Housing ZNNS001, ZNNS002



Ctrl. Panel



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

Min. Resolution	Read Range	
0,076 mm	—	Code 39 (4 digits)
0,101 mm	60...130 mm	Code 39 (4 digits)
0,127 mm	55...170 mm	Code 39 (4 digits)
0,254 mm	30...350 mm	Code 39 (4 digits)
0,381 mm	45...520 mm	Code 39 (4 digits)
0,330 mm	40...390 mm	UPC/EAN (13 digits)

Scanning field width	200 mm	Code39 (0,330 mm)
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A = Resolution LA = Read Range SB = Scan Width

