

Barcode Line Scanner

CCD Array

BLN0H1R20

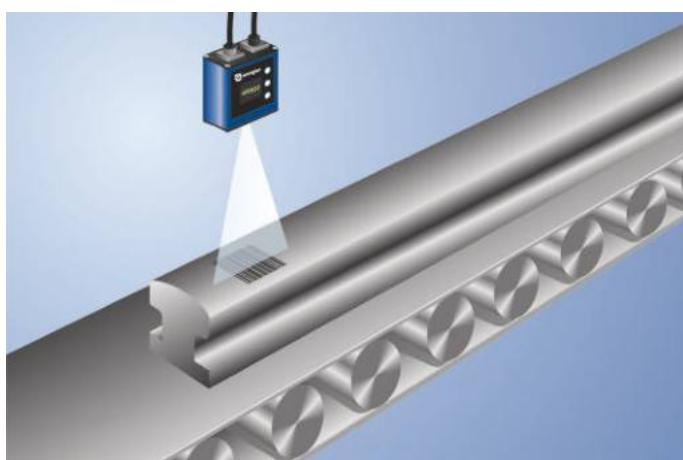
Part Number

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 laserered 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 Plessy Code, Code11, Industrial 2 of 5, Matrix 2 of 5, Telepen Code, UK Plessy 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 (Ub = 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

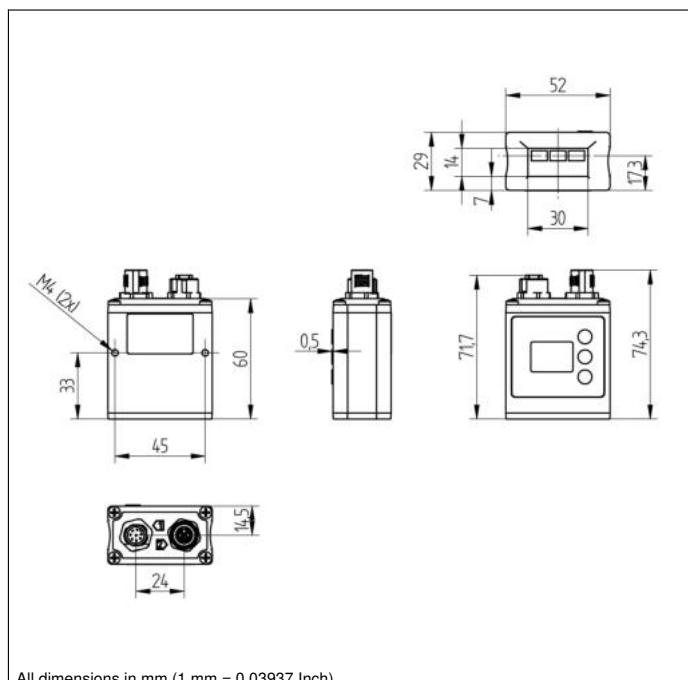
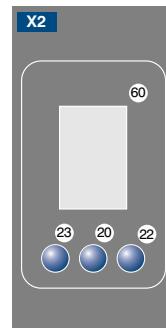
Housing Material	Aluminum
Weight	130 g
Degree of Protection	IP67
Connection	M12 x 1; 8-pin
Type of Connection Ethernet	M12 x 1; 8-pin, X-cod.
Web server	yes
Configurable as PNP/NPN/Push-Pull	● ●
Switchable to NC/NO	● ●
Connection Diagram No.	002 786
Control Panel No.	X2
Suitable Connection Equipment No.	50 89
Suitable Mounting Technology No.	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	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)
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A = Resolution LA = Read Range SB = Scan Width

