1D/2D Code Scanner

C5PC003
Part Number

IndustrialEthernet

- **Auto-button function**
- **Integrated code reconstruction**
- **Integrated LED illumination**
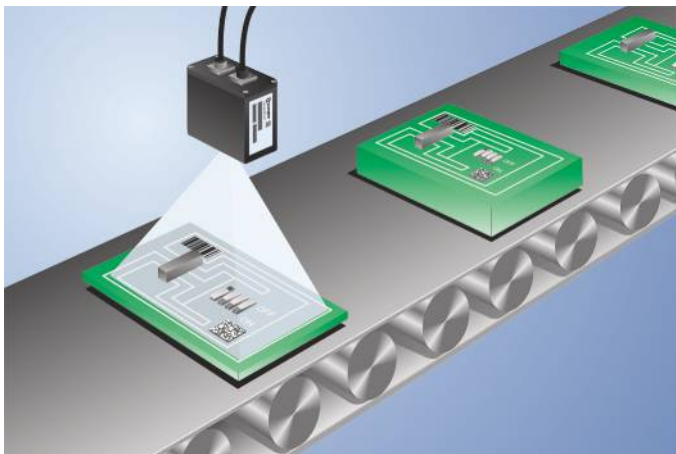- **PROFINET and EtherNet/IP™**
- **Web link**

These 2D code scanners are suitable for omnidirectional scanning of 1D and 2D codes.
The following code types can be processed:
1D codes: Code39, Code93, Code128, UPC/EAN, BC412, Interleaved 2 of 5, Codabar, Postal Codes, Pharmacode
2D codes: DataMatrix ECC 0...200, PDF417, Micro PDF417, QR-Code, Micro QR-Code, Aztec Code, GS1 Databar, Dot code
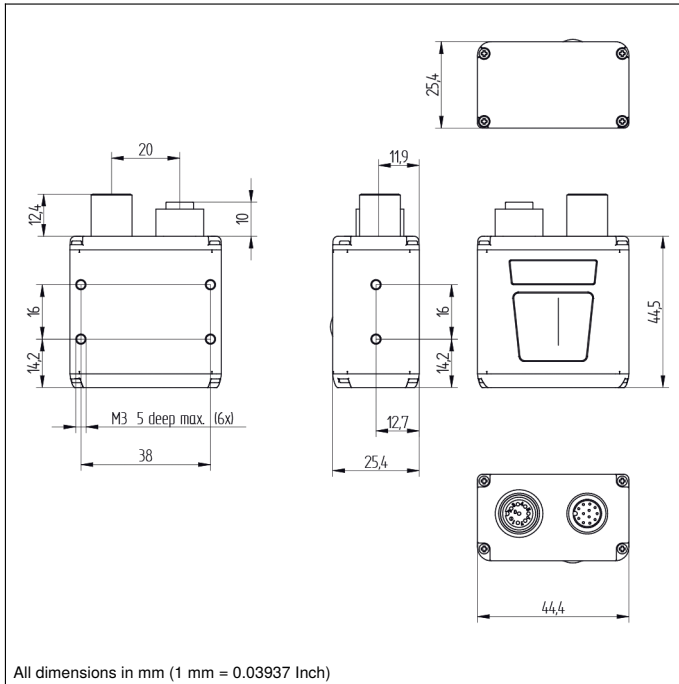Additional code types upon request.

Technical Data

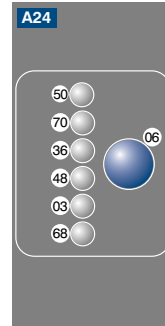| Optical Data	
Barcode Density	High density
Resolution	1280 × 960 Pixel
Light Source	Red Light
Wavelength	617 nm
Service Life (T = +25 °C)	50000 h
min. Resolution	0,127 mm
Electrical Data	
Supply Voltage	5...30 V DC
Current Consumption (Ub = 24 V)	150 mA
Scan Rate	42 scans/sec
Temperature Range	0...45 °C
Switching Output	Optoisolator
Number of Switching Outputs	3
Switching Output/Switching Current	100 mA
Reverse Polarity Protection	yes
Interface	RS-232/Ethernet
Trigger Input	Optoisolator
Signal Input	Optoisolator
Number of Signal Inputs	3
Mechanical Data	
Setting Method	Ethernet
Housing Material	Metal
Weight	68 g
Degree of Protection	IP65
Connection	M12 × 1; 12-pin
Type of Connection Ethernet	M12 × 1; 8-pin
PNP NO/NC switchable	●
NPN NO/NC switchable	●
Ethernet	●
PROFINET	●
EtherNet/IP™	●
Connection Table No.	**39**
Control Panel No.	**A24**
Suitable Connection Equipment No.	**87**
Suitable Mounting Technology No.	**430**

Complementary Products

Connection Cable ZCYV00x
Optical Diffuser ZNNG030
Path-Folding Mirror ZNNG028
Polarization Filter ZNNG031
Protective Housing ZSV-0x-01
Replacement Disc ZNNG029
Software

![Technical dimensional drawing of the device showing multiple views with measurements: 20, 25.4, 12.4, 10, 11.9, 16, 14.2, 44.5, M3 5 deep max. (6x), 38, 12.7, 25.4, 44.4]

All dimensions in mm (1 mm = 0.03937 Inch)

Ctrl. Panel

A24

03 = Error Indicator
06 = Teach Button
36 = Mode Indicator
48 = Network Status
50 = Good Read
68 = Supply Voltage Indicator
70 = Run/Trigger

Object Distance	Max.Field of View
50	36,5 × 27,4 mm
64	46,0 × 34,5 mm
81	57,2 × 42,9 mm
102	71,4 × 53,6 mm
133	90,5 × 67,9 mm
190	127,0 × 95,3 mm
300	198,4 × 148,8 mm

Min.Resolution	Read Range	
	1D	**2D**
0,050 mm	45...62 mm	—
0,084 mm	45...107 mm	45…56 mm
0,127 mm	45...165 mm	45…88 mm
0,190 mm	45...252 mm	45…135 mm
0,254 mm	45...300 mm	45...182 mm
0,381 mm	45...300 mm	45...280 mm