

# 1D/2D Code Scanner

## C5PC100

Part Number

IndustrialEthernet



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

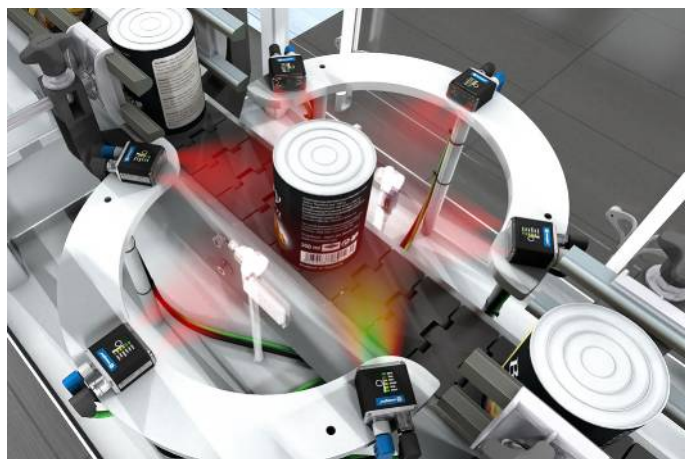
These 2D code scanners are suitable for omnidirectional scanning of 1D and 2D codes.

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 | Standard density |
| Read Range      | 50 mm            |
| Resolution      | 752 × 480 Pixel  |
| Resolution      | 0,36 MP          |
| Focal distance  | 5,2 mm           |
| Pixel Size      | 6 × 6 μm         |
| Light Source    | Red Light        |
| Wavelength      | 617 nm           |
| Focus           | Fix              |
| X-Dimension     | 49 mm            |
| Y-Dimension     | 32 mm            |
| min. Resolution | > 0,191 mm       |

#### Environmental conditions

|                      |                         |
|----------------------|-------------------------|
| Temperature Range    | 0...45 °C               |
| Atmospheric humidity | 5...95%, non-condensing |

#### Electrical Data

|                                             |                 |
|---------------------------------------------|-----------------|
| Supply Voltage                              | 5...30 V DC     |
| Current Consumption (U <sub>b</sub> = 24 V) | 180 mA          |
| Scan Rate                                   | 60 scans/sec    |
| 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

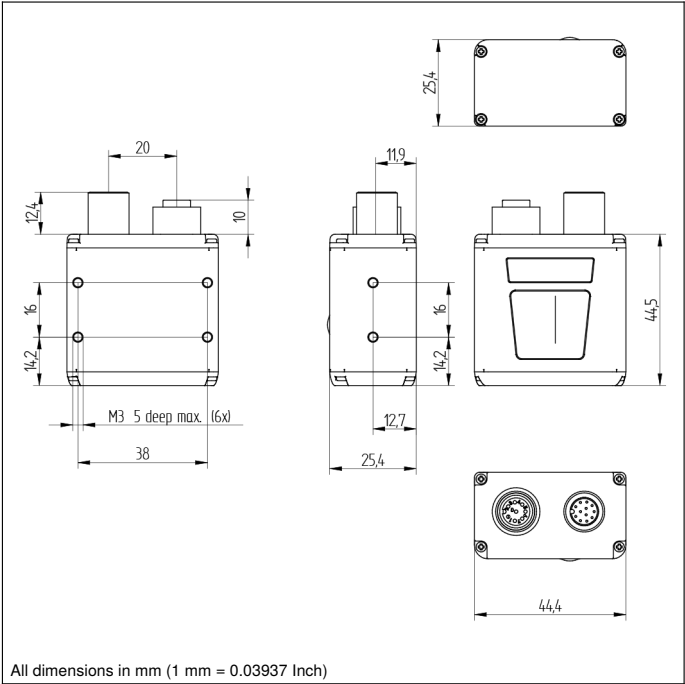
|                             |                    |
|-----------------------------|--------------------|
| Setting Method              | Ethernet           |
| Housing Material            | Aluminum, anodised |
| Optic Cover                 | Plastic, PMMA      |
| Degree of Protection        | IP65/IP67          |
| UL Enclosure Type           | 1                  |
| Connection                  | M12 × 1; 12-pin    |
| Type of Connection Ethernet | M12 × 1; 8-pin     |
| Minimum object distance     | 40 mm              |

|                      |   |
|----------------------|---|
| PNP NO/NC switchable | ● |
| NPN NO/NC switchable | ● |
| Ethernet             | ● |
| PROFINET-I/O, CC-B   | ● |
| EtherNet/IP™         | ● |

|                                   |     |
|-----------------------------------|-----|
| Connection Table No.              | 39  |
| Control Panel No.                 | A24 |
| Suitable Connection Equipment No. | 87  |
| Suitable Mounting Technology No.  | 430 |

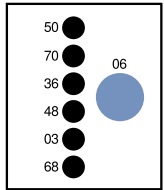
### Complementary Products

|                               |
|-------------------------------|
| Connection Cable ZCYV00x      |
| Path-Folding Mirror ZNNG028   |
| Protective Housing ZSV-0x-01  |
| Software                      |
| ZDCG005 connection cable      |
| ZNNG053 Replacement disc      |
| ZNNG054 Optical diffuser      |
| ZNNG055 Polarization filter   |
| ZNNG056 ESD protective screen |
| ZNNG057 YAG filter            |



# Ctrl. Panel

A24



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