

# 1D/2D Code Scanner

## FIS-0004-0101

Part Number



- For static applications
- High depth of focus
- Teach-in

### Technical Data

#### Optical Data

|                           |                 |
|---------------------------|-----------------|
| Barcode Density           | Medium density  |
| Read Range                | 36...132 mm     |
| Resolution                | 640 × 480 Pixel |
| Focal distance            | 11,12 mm        |
| Pixel Size                | 5,2 × 5,2 µm    |
| Light Source              | Red Light       |
| Wavelength                | 617 nm          |
| Service Life (T = +25 °C) | 40000 h         |
| Max. Ambient Light        | 3000 Lux        |
| Barcode Printing Contrast | > 20 %          |

#### Environmental conditions

|                   |           |
|-------------------|-----------|
| Temperature Range | 0...40 °C |
|-------------------|-----------|

#### Electrical Data

|                                    |                        |
|------------------------------------|------------------------|
| Supply Voltage                     | 5 V DC                 |
| Power Consumption                  | 1970 mW                |
| Scan Rate                          | 10 scans/sec           |
| Switching Output                   | TTL                    |
| Number of Switching Outputs        | 3                      |
| Switching Output/Switching Current | 10 mA                  |
| Network Possibilities              | Daisy Chain, Multidrop |
| Interface                          | RS-232/422/485         |
| Transmission rate                  | 115,2 Kbit/s           |
| Trigger Input                      | NPN                    |
| Signal Input                       | NPN                    |
| Number of Signal Inputs            | 1                      |
| Acoustic signal                    | yes                    |

#### Mechanical Data

|                         |             |
|-------------------------|-------------|
| Housing Material        | Aluminum    |
| Degree of Protection    | IP54        |
| Connection              | SubD 15-pin |
| Minimum object distance | 36 mm       |

TTL positive/negative switchable

Connection Table No.

09

Control Panel No.

Ba6

Suitable Connection Equipment No.

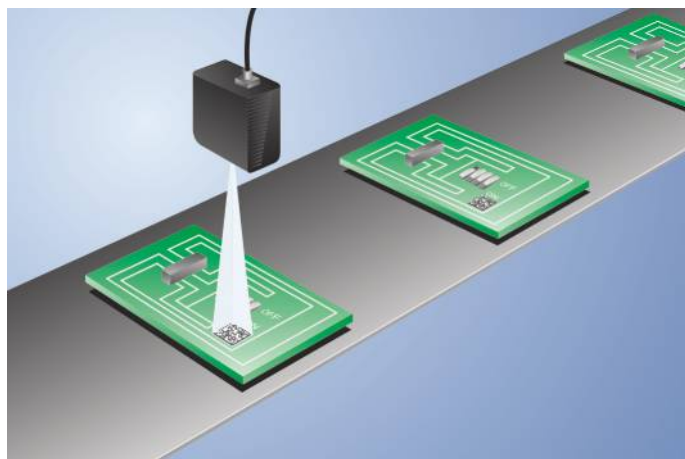
16 | 74

Suitable Mounting Technology No.

430

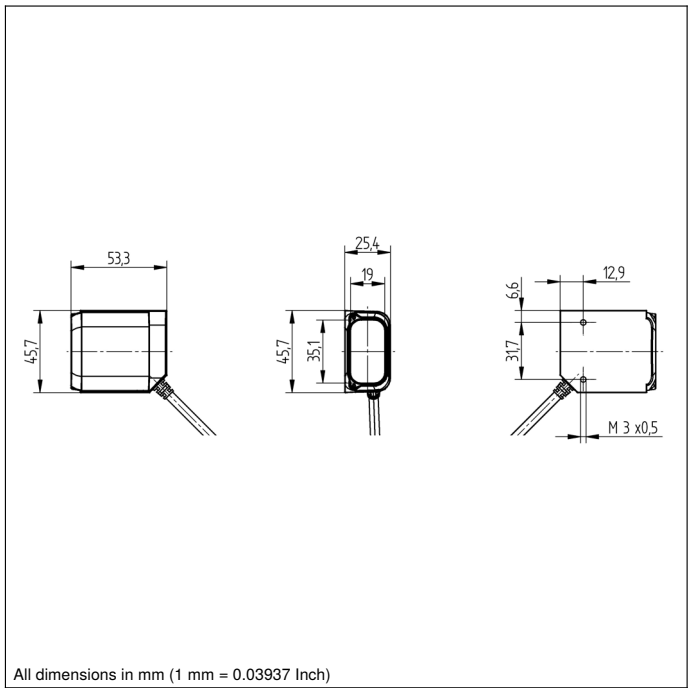
These 2D code scanners are suitable for omnidirectional scanning of 1D and 2D codes. The following code types can be processed:

Code39, Code128, Code93, UPC/EAN, IBM BC412, Interleaved 2 of 5, Codabar, DataMatrix, PDF417, QR-Code, RSS family, Micro PDF.



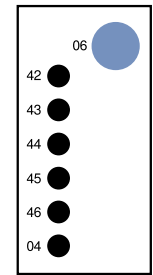
### Complementary Products

|                                     |
|-------------------------------------|
| Connection Box AB-0003-1            |
| Fieldbus Gateway ZAGxxxN01, EPGG001 |
| Path-Folding Mirror LA26            |
| Protective Housing ZSV-0x-01        |
| Software                            |



### Ctrl. Panel

Ba6



- 04 = Function Indicator
- 06 = Teach Button
- 42 = Reading Performance 100 %/Good Read
- 43 = Reading Performance 80 %/Status/Trigger
- 44 = Reading Performance 60 %
- 45 = Reading Performance 40 %
- 46 = Reading Performance 20 %

| Min. Resolution |         | Max. Visual Field | Read Range      |
|-----------------|---------|-------------------|-----------------|
| 1D              | 2D      |                   |                 |
| Medium Density  |         |                   |                 |
| 0.19 mm         | 0.25 mm | 61 × 46 mm        | 51 mm to 102 mm |
| 0.25 mm         | 0.38 mm | 66 × 50 mm        | 43 mm to 119 mm |
| 0.38 mm         | 0.51 mm | 71 × 53 mm        | 36 mm to 132 mm |
| Low Density     |         |                   |                 |
| 0.25 mm         | 0.38 mm | 107 × 80 mm       | 89 mm to 114 mm |
| 0.38 mm         | 0.51 mm | 127 × 95 mm       | 69 mm to 127 mm |
| 0.51 mm         | 0.76 mm | 147 × 110 mm      | 51 mm to 152 mm |

