

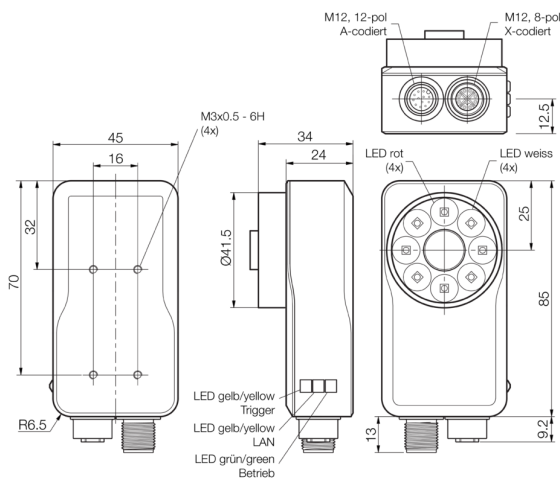


**213362**

# CS60-BM38-EP15/300ID

## CS 60 Vision Sensor

- Inspection tasks: Localization, Parts recognition, Counting, ID code localization and recognition (read code)
- Upgrade option: Measure
- The specialist, compact and high-performance
- High power LED illumination in red and white
- Flexible and productive Software nVision-i
- Parameter changes via linked Profinet inputs during execution
- Simple & intuitive parameterization
- Flexible working distances of 50 - 2,000 mm by changing lenses
- Customization option



| 12-pol A-codiert                                                                  |                    |               |
|-----------------------------------------------------------------------------------|--------------------|---------------|
|  | 1 SPS_IN0          | 7 +UB         |
|                                                                                   | 2 SPS_IN1          | 8 GND         |
|                                                                                   | 3 SPS_OUT_2        | 9 NC          |
|                                                                                   | 4 SPS_OUT_3        | 10 Trigger IN |
|                                                                                   | 5 READY            | 11 SPS_OUT_0  |
|                                                                                   | 6 COMMON INTERFACE | 12 SPS_OUT_1  |

| 8-pol X-codiert                                                                     |          |          |
|-------------------------------------------------------------------------------------|----------|----------|
|  | 1 LAN A+ | 5 LAN D+ |
|                                                                                     | 2 LAN A- | 6 LAN D- |
|                                                                                     | 3 LAN B+ | 7 LAN C- |
|                                                                                     | 4 LAN B- | 8 LAN C+ |

## Function



### Technical data (typ.)

**+20°C, 24 V DC**

|                                 |                                                                         |
|---------------------------------|-------------------------------------------------------------------------|
| Service voltage                 | 18 ... 30 V DC                                                          |
| No-load current (max.)          | 1000 mA (24 V DC)                                                       |
| Insulation voltage endurance    | 500 V                                                                   |
| Housing material                | Die-cast zinc (Black, powder-coated)                                    |
| Material                        | PMMA (Window / optics)                                                  |
| Lens connection                 | S-mount                                                                 |
| Weight                          | 265 g                                                                   |
| Protection class                | III, operation on protective low voltage                                |
| Risk group (DIN EN 62471)       | Risk group 1                                                            |
| Model                           | CS 60                                                                   |
| Design                          | Cuboid design                                                           |
| Type                            | IMX273                                                                  |
| Inspection tasks                | Localization, Parts recognition, Counting, Read code                    |
| Shutter                         | global                                                                  |
| Code type - 1D-Codes (barcodes) | Code 2 of 5, Codabar, Code 128, Code 39, Databar, UPC / EAN, Pharmacode |
| Code type - 2D-Codes            | Aztec Code, Data Matrix, Dotcode, QR                                    |
| Code type - Stacked codes       | PDF 417                                                                 |
| Scope of delivery               | CS60-BM38-EP15/300ID, O-S1-S-080-40, CS60-WINDOW                        |
| Internal lights                 | High power lighting white and red can be switched via software          |
| Switching output                | Push-pull, 100 mA                                                       |
| Switching output number         | 4 (programmable, 1 (Ready))                                             |



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**CS 60 Vision Sensor**

| Technical data (typ.)                | +20°C, 24 V DC                                                                               |
|--------------------------------------|----------------------------------------------------------------------------------------------|
| Voltage drop (max.)                  | 2 V                                                                                          |
| Interface                            | <ul style="list-style-type: none"> <li>■ Ethernet</li> <li>■ Digital Input/Output</li> </ul> |
| Protocols                            | TCP/IP, FTP/SFTP, Profinet                                                                   |
| Color                                | Red / white switchable (internal)                                                            |
| Focal length                         | 8 mm (exchangeable S-mount lens)                                                             |
| Optical format                       | 1/2.9"                                                                                       |
| Resolution                           | 1456 x 1088 Pixel                                                                            |
| Working distance                     | 50.0 ... 2000 mm                                                                             |
| Display                              | LED Green - Operation, yellow - DATA-Link yellow - Trigger                                   |
| FPS - Frames Per Second (max.)       | 30 images/second                                                                             |
| Flash length                         | < 2 ms                                                                                       |
| Ambient temperature during operation | 0 ... +50 °C                                                                                 |
| Vibration/shock resistance           | 10 to 55 Hz / 1.0 mm / 30 g / 11 ms                                                          |
| Protection type                      | IP 67                                                                                        |
| Connection                           | Connector, M12, 12-pin (A-coded)                                                             |
| Connection 2                         | Socket, M12, 8-pin (X-coded)                                                                 |
| Cable                                | Connection cables max. 25 m                                                                  |
| More information / accessories       | <a href="https://www.di-soric.com/213362">https://www.di-soric.com/213362</a>                |