

# Code Reader

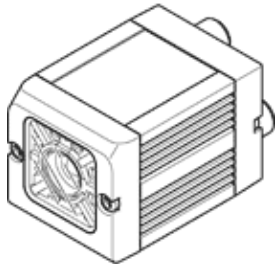
## SBSI-B-R3B-F12-W

Part number: 2930233  
Product to be discontinued

FESTO

monochrome Code Reader with integrated lens, focal length 12mm, white LED illumination, Ethernet interface, RS-232 and Profinet for reading Barcodes and Datamatrixcodes.

Type to be discontinued. Available until 2024. See Support Portal for alternative products.



## Data sheet

| Feature  | Value  |
|--|--|
| Vision sensor version                          | Code reader  |
| CE symbol (see declaration of conformity)      | according to EU-EMV guideline  |
| KC mark  | KC-EMV   |
| Authorization                                  | RCM Mark<br>c UL us - Listed (OL)  |
| Operating distance                             | 30 mm - infinite   |
| Focal depth                                    | 12 mm  |
| Field of vision                                | Min. 8 x 6 mm  |
| Focus setting                                  | With adjusting screw   |
| Lens attachment                                | Built-in optical devices   |
| Lighting type                                  | Integrated   |
| Type of light                                  | white<br>LED   |
| Sensor type                                    | monochrome   |
| Sensor resolution                              | 736 x 480 pixels (WideVGA)   |
| Image rate (frame)                             | 50 fps   |
| Max. number of test programs/jobs              | 8  |
| Max. number of test criteria/detectors         | 2  |
| Function of detectors/characteristics          | EAN<br>UPC<br>RSS<br>2/5 Interleaved<br>2/5 Industrial<br>Code 39<br>Code 93<br>Code 128<br>GS1<br>Pharmacode<br>Codabar<br>ECC200<br>QR-Code<br>PDF 417 |
| Typical cycle time                             | 1D-Barcode: 30 ms<br>2D-Code: 40 ms  |
| Information on Ethernet, connection technology | Socket<br>M12<br>4-pin   |
| Ethernet, data transmission speed              | 100 Mbit/s   |
| Ethernet, supported protocols                  | Ethernet/IP<br>FTP<br>PROFINET   |

| Feature                                     | Value   |
|---|---|
|   | SMB<br>TCP/IP   |
| Serial interface, connection technology     | Plug<br>M12<br>5-pin  |
| Serial interface, type                      | RS 232 / RS 422   |
| Electrical connection                       | 12-pin<br>M12<br>Plug   |
| Number of digital inputs                    | 2   |
| Number of digital outputs                   | 4   |
| Number of selectable digital inputs/outputs | 2   |
| Switching input                             | PNP/NPN, switchable   |
| Switching level                             | Signal 0: $\leq 3\text{ V}$<br>Signal 1: $\geq U_B - 1\text{ V}$                  |
| Switch output                               | PNP/NPN, switchable   |
| Max. output current                         | 50 mA   |
| Short circuit strength                      | for all electrical connections  |
| Nominal operating voltage DC                | 24 V  |
| Permissible voltage fluctuation             | -25 % / +10 %   |
| Max. current consumption                    | 550 mA  |
| Current consumption with load-free outputs  | 200 mA  |
| Ambient temperature                         | 0 ... 50 °C   |
| Storage temperature                         | -20 ... 60 °C   |
| Protection class                            | IP67  |
| Dimensions W x L x H                        | 45 mm x 45 mm x 76,7 mm   |
| Product weight                              | 160 g   |
| Material housing                            | Anodised wrought aluminium alloy  |
| Material cover                              | ABS-reinforced  |
| Materials note                              | Conforms to RoHS  |
| Vibration resistance                        | as per EN 60068-2-6   |
| Shock resistance                            | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 |