

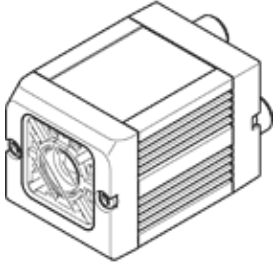
# Code Reader

## SBSI-B-AF-R3B-F6-R

Part number: 8058717  
Product to be discontinued

FESTO

Monochrome code reader with integrated lens (f = 6 mm), red LED lighting and Ethernet interface, RS 232 and PROFINET for reading barcodes and data matrix codes, expanded function.  
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                             | 6 mm - infinite  |
| Focal depth                                    | 6 mm   |
| Field of vision                                | Min. 5 x 4 mm  |
| Focus setting                                  | With adjusting screw   |
| Lens attachment                                | Built-in optical devices   |
| Lighting type                                  | Integrated   |
| Type of light                                  | Red<br>LED   |
| Wavelength                                     | 640 nm   |
| Sensor type                                    | monochrome   |
| Sensor resolution                              | 736 x 480 pixels (WideVGA)   |
| Image rate (frame)                             | 50 fps   |
| Max. number of test programs/jobs              | 255  |
| Max. number of test criteria/detectors         | 255  |
| 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   |

| Feature                                     | Value   |
|---|---|
|   | PROFINET<br>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                   | 2   |
| Number of selectable digital inputs/outputs | 4   |
| Switching input                             | PNP/NPN, switchable   |
| Switching level                             | Signal 0: $\leq 3$ V<br>Signal 1: $\geq U_B - 1$ 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 |