Code Reader
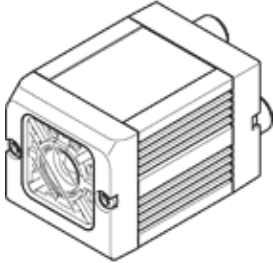# SBSI-B-AF-R3B-F12-R

Part number: 8058718
Product to be discontinued

Monochrome code reader with integrated lens (f = 12 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.

FESTO

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
	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	Infrared
	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
	UPC
	RSS
	2/5 Interleaved
	2/5 Industrial
	Code 39
	Code 93
	Code 128
	GS1
	Pharmacode
	Codabar
	ECC200
	QR-Code
	PDF 417
Typical cycle time	1D-Barcode: 30 ms
	2D-Code: 40 ms
Information on Ethernet, connection technology	Socket
	M12
	4-pin
Ethernet, data transmission speed	100 Mbit/s
Ethernet, supported protocols	Ethernet/IP
	FTP

Feature	Value
	PROFINET
	SMB
	TCP/IP
Serial interface, connection technology	Plug
	M12
	5-pin
Serial interface, type	RS 232 / RS 422
Electrical connection	12-pin
	M12
	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: <= 3 V
	Signal 1: >= UB - 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