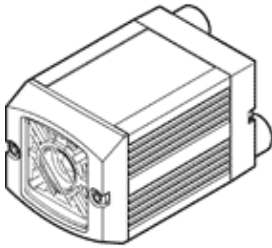


# Compact Vision System SBOI-Q-R1B

Part number: 541396

FESTO

Compact vision system with monochrome CMOS-sensor 1/2", Resolution 640\*480 Pixel, Ethernet interface 100 Mbit/s, integrated lens, white LED illumination, integrated CoDeSys PLC.



## Data sheet

Feature	Value
Sensor resolution	640 x 480 Pixel (VGA)
Lens attachment	Built-in optical devices
Field of vision	14 x 10 mm - 520 x 390 mm
Width	45 mm
Height	45 mm
Length	83.7 mm
Inputs	Input 1: trigger signal, Input 2: accept inputs
Max. no. of different orientations	8 per part type
Max. no. of test programs	256
Sorting function	Up to 16 types/test programs
Outputs	Output 1: operational, output 2 and output 3 can be parameterized: good part, reject part, correctly oriented, incorrectly oriented, external illumination
Max. residual current	1.5 A on the 24 V outputs
Nominal operating voltage DC	24 V
Current consumption with load-free outputs	120 mA
Permissible voltage fluctuation	+/- 10 %
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Storage temperature	-10 ... 60 °C
Protection class	IP65 IP67
Ambient Conditions	Screening from extreme external light sources Cleanest possible ambient air
Ambient temperature	-10 ... 50 °C
Authorization	RCM Mark c UL us - Recognized (OL)
Product weight	184 g
Exposure time	39 µs ... 1,000 ms
Image rate (frame)	150 fps
Sensor type	monochrome
Operating distance	22 ... 1,000 mm
Ethernet, data transmission speed	100 Mbit/s
Ethernet, supported protocols	TCP/IP, EasyIP, Telnet, ModbusTCP
Ethernet, connector plug	Plug M12
Fieldbus interface, connection technology	Plug M12
Ethernet, bus interface	IEEE802.3U (100BaseT)
Fieldbus interface	CAN
Fieldbus interface, supported protocols	CP fieldbus
Materials note	Free of copper and PTFE Conforms to RoHS
Materials information for cover	ABS glass fiber reinforced
Materials information, housing	Aluminum Anodized