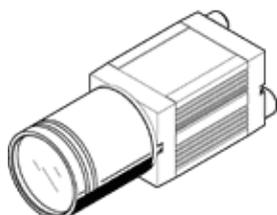# compact vision system
SBOC-Q-R2B

Part number: 551021
Product to be discontinued

Compact vision system with monochrome CMOS-sensor 2/3 ",
Resolution 1280*1084 Pixel, Ethernet interface 100 Mbit/s, integrated
CoDeSys PLC.

Type to be discontinued. Available until 2017. See Support Portal for
alternative products.

Data sheet

Feature	Value
Sensor resolution	1280 x 1024 Pixel (SXGA)
Lens attachment	CS mount (C mount with lens protection tubing)
Field of vision	Dependent on the selected lens
Width	45 mm
Height	45 mm
Length	139.4 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 parametrised: 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 mark (see declaration of conformity)	to EU directive for EMC
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
Authorisation	C-Tick c UL us - Recognized (OL)
Product weight	182 g
Exposure time	8 µs ... 1,000 ms
Image rate (frame)	27 fps
Sensor type	monochrome
Operating distance	Dependent on the selected lens
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

Feature	Value
	Conforms to RoHS
Materials information for cover	ABS glass fibre reinforced
Materials information, housing	Aluminium Anodised