

Product-type designation

MV420 SR-B code reader

SIMATIC MV420 SR-B;BASIC TYPE COMPACT CODE READER FOR 1D AND 2D CODES;IP67



Suitability for installation

1D codes: Int. 2/5, Code 128, Code 39, EAN 13, EAN 8, UPC-A, UPC-E, GS1, 2D codes: DMC, PDF417 (without: Truncated, Micro and Macro), QR (without: Micro and Macro), Vericode

Interfaces

Design of the electrical connection

- the Industrial Ethernet Interface
- of RS 422 interface

M12, d-coded

M16, 12-pin

Number of digital inputs

1

Number of digital outputs

3

Design of digital inputs

One high-speed trigger input

Design of digital outputs

2 isolated outputs 50 mA, 1 high-speed trigger input for external lighting

Optical data

Design of image sensor / of camera

CMOS chip, VGA (640 x 480), WVGA (752 x 480)

Type of image capture

Global shutter

Range

10 ... 400 mm

Range / note

Adjustable within the range

Mounting type / of lens

Fixed (M12)

Nature of fluorescent material

Integrated lighting or external lighting according to accessories list

Image acquisition frequency / maximum

50 Hz

Type of focusing

Manual adjustment on the lens cover

Supply voltage, current consumption, power loss	
Supply voltage / for DC	
• rated value	24 V
• minimum	19.2 V
• maximum	28.8 V
Consumed current / At 24 V / with DC	
• typical	0.17 A
• maximum	2 A
Stored energy time / supply voltage failure / minimum	0.01 s
Mechanical data	
Material	Die-cast aluminum
Color	petrol blue
Permitted ambient conditions	
Ambient temperature	
• during operating	0 ... 50 °C
• during storage	-30 ... +70 °C
• during transport	-30 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP67
Resistance against shock	According to IEC 60068-2
Resistance against shock	150 m/s ²
Resistance against vibration	10 m/s ²
Design, dimensions and weight	
Width	52.5 mm
Height	70.7 mm
Depth	39.5 mm
Net weight	0.25 kg
Mounting type	2 x M4 screws
Product properties, functions, components / general	
Product feature / silicon-free	Yes
Type of display	4 LEDs
Standards, specifications, approvals	
Verification of suitability	CE, KCC, F&B suitable, UL
MTBF	95 a
Accessories	
Accessories	Mounting brackets, built-in ring lamps, M12 lenses
letzte Änderung:	Jul 14, 2014