SIEMENS

Product type designation	MV440 SR code reader
	SIMATIC MV440 SR OPTICAL READER RESOLUTION: 640 X 480 PIXEL; FOR 1D/2D CODE READING, OCR AND OBJECT RECOGNITION; FIELD OF VIEW AND DISTANCE: VARIABLE; POE; IP67(WITH 6GF3440-8AC1X); DELIVERY: READER, CDROM AND PLASTIC-PROTECTION TUBE; (WITHOUT: CABLE, LIGHTS, LENS, LICENSES)

Suitability for operation	1D codes: Int. 2/5, Code 128, Code 93, Code 39, Code 32, EAN 13, EAN 8, UPC-A, UPC-E, GS1, Pharmacode, Postnet, 2D codes: DMC, dot code, PDF417 (without: Truncated, Micro and Macro), QR (without: Micro and Macro), Vericode, text recognition: OCR-A, Semifont M13, similar fonts, code verification: ISO/IEC 29158, Siemens DPM, ISO/IEC 15415, AS9132 Rev. A, ISO/IEC 16416

Interfaces

Type of electrical connection	
• of Industrial Ethernet interface	M12, d-coded, PoE
• of the RS 422 interface	M12, 8-pin, male
• of the RS 232 interface	M16, 12-pin, male
• for supply voltage	M16, 12-pin, male
• at the digital inputs/outputs	M16, 12-pin, male
Number of digital inputs	5
Number of digital outputs	5
Digital input version	1 high-speed trigger input, 4 opto-isolated inputs (NPN, PNP capability) optionally as output

Digital output version	1 high-speed strobe output for external lighting, 4 isolated outputs optionally as input, short-circuit-proof, max. 100 mA,

Optical data

Design of image sensor / of the camera	CCD chip 1/3", 640 x 480
Type of image capture	Global shutter with manual or automatic exposure time
Range	70 ... 3000 mm
Range / Note	Using C-mount lenses and lens accessories, the range can be exactly matched to the application
Mounting type / of lens	C mount lens connection with Plexiglas lens protection, 65 mm diameter
Type of light source	Integrated lighting or external lighting according to accessories list
Image acquisition frequency / maximum	80 Hz
Code reading rate / maximum	80 1/s
Type of focusing	Manual adjustment on the lens

Supply voltage, current consumption, power loss

Supply voltage	
• at DC / Rated value	24 V
• at DC	19.2 ... 28.8 V
Consumed current / at DC / at 24 V	
• typical	0.27 A
• maximum	2 A
Buffering time / in the event of power failure / minimum	0.01 s

Mechanical data

Material	Die-cast aluminum
Color	petrol blue

Permitted ambient conditions

Ambient temperature	
• during operation	0 ... 50 °C
• during storage	-30 ... +70 °C
• during transport	-30 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP67
Shock resistance	According to IEC 60068-2
Shock acceleration	100 m/s²
Vibrational acceleration	10 m/s²

Design, dimensions and weight

Width	68 mm
Height	122 mm
Depth	45 mm
Net weight	0.55 kg

08/17/2017

Mounting type	4 x M4 screws

Product properties, functions, components / general

Product feature / silicon-free	Yes
Display version	5 LEDs

Standards, specifications, approvals

Certificate of suitability	CE, KCC, F&B suitable, UL
MTBF / at 40 °C	88 y
MTBF	88 y

Accessories

accessories	Licenses (verification and text recognition), mounting brackets, built-in ring lights, external ring lights, C-mount lenses, protective barrels for lenses

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL

  https://support.industry.siemens.com/cs/ww/en/view/67384964

- to website: Industrial communication

  http://www.siemens.com/codereader

- to website: Industry Mall

  https://mall.industry.siemens.com

- to website: Information and Download Center

  http://www.siemens.com/industry/infocenter

- to website: Image database

  http://automation.siemens.com/bilddb

- to website: CAx Download Manager

  http://www.siemens.com/cax

- to website: Industry Online Support

  https://support.industry.siemens.com

last modified: 08/07/2017