

product type designation



MV440 SR code reader

-- spare part -- SIMATIC MV440 SR optical reader; resolution: 640x 480 pixels; for 1D/2D code reading, text recognition and object detection; field of image and distance: variable; PoE; IP67 (with 6GF3440-8AC1X); delivery: reader, CD-ROM and plastic protective barrel; (without: cable, luminaire, lens, licenses).

product brand name

SIMATIC MV

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
- of the RS 422 interface
- of the RS 232 interface
- for supply voltage
- at the digital inputs/outputs

M12, d-coded, PoE
M12, 8-pin, male
M16, 12-pin, male
M16, 12-pin, male
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

fastening method / 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

picture recording 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
19.2 ... 28.8 V

consumed current / at DC / at 24 V

- typical
- maximum

0.27 A
2 A

buffering time / in the event of power failure / minimum

0.01 s

mechanical data

material	Die-cast aluminum
color	petrol blue
ambient conditions	
ambient temperature	
• during operation	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/s ²
vibrational acceleration	10 m/s ²
design, dimensions and weights	
width	68 mm
height	122 mm
depth	45 mm
net weight	0.55 kg
fastening method	4 x M4 screws
product features, product functions, product components / general	
display version	5 LEDs
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function / of the PROFINET IO device / is supported / H-Sync forwarding	No
protocol / is supported	
• LLDP	Yes
• PROFINET IO protocol	Yes
• TCP/IP	Yes
• SNMP v1	Yes
• SNMP v2	No
• SNMP v3	No
• DCP	Yes
• EtherNet/IP protocol	No
• OPC UA	No
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	CE, KCC, F&B suitable, UL
MTBF	88 a
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 web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAX-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
last modified:	1/19/2026 