

SIMATIC MV560 U optical reader Resolution: 1920 x 1200 pixels; Maximum processing and communication speed; Function: 1D/2D code reading; Image field and distance: variable, (lens); PoE; IP67 with 6GF3540-8AC12; Delivery: reader; B enable => VS enable



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), Q R (without: Micro and Macro), verification uncalibrated

Interfaces

Type of electrical connection	
<ul style="list-style-type: none"> <li>• of Industrial Ethernet interface</li> <li>• of the RS 422 interface</li> <li>• of the RS 232 interface</li> <li>• for supply voltage</li> <li>• at the digital inputs/outputs</li> </ul>	<p>M12, d-coded, PoE</p> <p>M12, 12-pin, male</p> <p>M12, 12-pin, male</p> <p>M12, 12-pin, male</p> <p>M12, 12-pin, male</p>
Number of digital inputs	1
Number of digital outputs	3
Digital input version	1 fast trigger input
Digital output version	1 fast strobe output, 2 potential-free outputs (NPN- PNP-capable)

Optical data

Design of image sensor / of the camera	CMOS-Chip, 2592 x 2048
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
Type of light source	Integrated lighting or external lighting according to accessories list
Image acquisition frequency / maximum	30 Hz
Code reading rate / maximum	80 1/s
Type of focusing	Manual adjustment on the lens

#### Supply voltage, current consumption, power loss

Supply voltage	
<ul style="list-style-type: none"> <li>• at DC / Rated value</li> <li>• at DC</li> </ul>	24 V 19.2 ... 28.8 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> <li>• typical</li> <li>• maximum</li> </ul>	0.2 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	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	0 ... 50 °C -30 ... +70 °C -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	300 m/s <sup>2</sup>
Vibrational acceleration	40 m/s <sup>2</sup>

#### Design, dimensions and weights

Width	68 mm
Height	122 mm
Depth	45 mm
Net weight	0.55 kg
Mounting type	4 x M4 screws

#### Product features, product functions, product components / general

Protocol / is supported / Media Redundancy Protocol (MRP)	No
Product function / of the PROFINET IO device / is supported / H-Sync forwarding	No
Protocol / is supported	
<ul style="list-style-type: none"> <li>• LLDP</li> </ul>	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

MTBF	66 y
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### Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>
• to website: Industrial communication	<a href="http://www.siemens.com/codereader">http://www.siemens.com/codereader</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx Download Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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