

### product type designation



### Code Reader MV540 H

SIMATIC MV540 H optical reader Resolution: 1280 x 1024 pixels; Function: 1D/2D code reading; Image field and distance: variable (depends on lens); PoE; IP67 with 6GF3540-8ACxx; Delivery: Reader and SD card adapter.

Technical Product Detail Page

<https://i.siemens.com/1P6GF3540-0GE10>

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, 1280 x 1024
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
type of light source	Integrated lighting or external lighting according to accessories list
picture recording frequency / maximum	70 Hz
code reading rate / maximum	70 1/s
type of focusing	Manual adjustment on the lens

### supply voltage, current consumption, power loss

supply voltage / at DC	<ul style="list-style-type: none"> <li>rated value</li> <li></li> </ul>	<p>24 V</p> <p>19.2 ... 28.8 V</p>
consumed current / at DC / at 24 V	<ul style="list-style-type: none"> <li>typical</li> <li>maximum</li> </ul>	<p>0.2 A</p> <p>2 A</p>
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>	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>
<b>design, dimensions and weights</b>	
width	68 mm
height	122 mm
depth	45 mm
net weight	0.55 kg
fastening method	4 x M4 screws
<b>product features, product functions, product components / general</b>	
display version	7 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	
<ul style="list-style-type: none"> <li>LLDP</li> <li>PROFINET IO protocol</li> <li>TCP/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>DCP</li> <li>EtherNet/IP protocol</li> <li>OPC UA</li> </ul>	Yes Yes Yes Yes No No Yes No No
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	CE, NuG suitable
MTBF	66 a
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO <sub>2</sub> eq]	
<ul style="list-style-type: none"> <li>total</li> <li>during manufacturing</li> <li>during operation</li> <li>after end of life</li> </ul>	177.46 kg 27.19 kg 150.2 kg 0.07 kg
<b>accessories</b>	
accessories	mounting brackets, built-in ring lights, external ring lights, E-focus lens, C-mount lenses, protective barrels for lenses
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: identification and localization systems</li> <li>to web page: SiePortal</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible

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