SIEMENS

## Data sheet 6GF3540-0GE10

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| **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. |



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| product brand name | SIMATIC MV |
| 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 | |
| ● of Industrial Ethernet interface | M12, d-coded, PoE |
| ● of the RS 422 interface | M12, 12-pin, male |
| ● of the RS 232 interface | M12, 12-pin, male |
| ● for supply voltage | M12, 12-pin, male |
| ● at the digital inputs/outputs | M12, 12-pin, male |
| 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 | |
| ● rated value | 24 V |
| ● | 19.2 ... 28.8 V |
| consumed current / at DC / at 24 V | |
| ● typical | 0.2 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 |


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| **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 | 300 m/s² |
| vibrational acceleration | 40 m/s² |
| **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 | 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 | |
| ● 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, NuG suitable |
| MTBF | 66 a |
| **standards, specifications, approvals / Environmental Product Declaration** | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| ● total | 177.46 kg |
| ● during manufacturing | 27.19 kg |
| ● during operation | 150.2 kg |
| ● after end of life | 0.07 kg |
| **accessories** | |
| accessories | mounting brackets, built-in ring lights, external ring lights, E-focus lens, C-mount lenses, protective barrels for lenses |
| **further information / internet links** | |
| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to web page: identification and localization systems | https://www.siemens.com/ident |
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● 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 |
| **security information** | |
| 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, |


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| | state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |
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