# SIEMENS

| product type designation | **Code Reader MV550 H** |
|---|---|
|  | SIMATIC MV550 H optical reader resolution: 1280x1024 pixels; PN and GigE; 2x Ethernet:100 MB(POE),GigE !no switch=>data separation!; function: 1D/2D code reading; Image field and distance: variable (depends on lens); PoE; IP67 with 6GF3540-8ACxx; delivery: reader and SD card adapter (without card); |
| 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 |
| ● at DC | 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 |

## 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 |

| **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 web page: selection aid TIA 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 |

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