

### 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                                                                                                                                                                                                     |                                                                                                       |
| <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> | M12, d-coded, PoE<br>M12, 12-pin, male<br>M12, 12-pin, male<br>M12, 12-pin, male<br>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                                                                           |                         |
| <ul style="list-style-type: none"> <li>• at DC / rated value</li> <li>• at DC</li> </ul> | 24 V<br>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<br>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> </ul> | 50 °C |

|                                                                                                   |                                                                                                                                       |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• during storage</li> </ul>                                | -30 ... +70 °C                                                                                                                        |
| <ul style="list-style-type: none"> <li>• during transport</li> </ul>                              | -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> </ul>                                          | Yes                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• PROFINET IO protocol</li> </ul>                          | Yes                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>                                        | Yes                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• SNMP v1</li> </ul>                                       | Yes                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• SNMP v2</li> </ul>                                       | No                                                                                                                                    |
| <ul style="list-style-type: none"> <li>• SNMP v3</li> </ul>                                       | No                                                                                                                                    |
| <ul style="list-style-type: none"> <li>• DCP</li> </ul>                                           | Yes                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• EtherNet/IP protocol</li> </ul>                          | No                                                                                                                                    |
| <ul style="list-style-type: none"> <li>• OPC UA</li> </ul>                                        | No                                                                                                                                    |
| product feature / silicon-free                                                                    | Yes                                                                                                                                   |
| <b>standards, specifications, approvals</b>                                                       |                                                                                                                                       |
| certificate of suitability                                                                        | CE, NuG suitable                                                                                                                      |
| MTBF                                                                                              | 66 a                                                                                                                                  |
| <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 web page: selection aid TIA Selection Tool</li> </ul> | <a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a> |
| <ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>          | <a href="http://www.siemens.com/codereader">http://www.siemens.com/codereader</a>                                                     |
| <ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>                     | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                                                     |
| <ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>   | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>                                   |
| <ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>                    | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>                                               |
| <ul style="list-style-type: none"> <li>• to website: CAX-Download-Manager</li> </ul>              | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                                                   |
| <ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>           | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>                                               |

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