

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,
(ABH lens object); PoE; IP67 with 6GF3540-8AC11; Delivery:
Reader and SD card adapter



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
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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
type of light source	Integrated lighting or external lighting according to accessories list
image acquisition 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/s ²
vibrational acceleration	40 m/s ²

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	

• 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

MTBF	66 y
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further information / internet-Links

Internet-Link	
• to website: Selector 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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