SIEMENS

Data sheet   6GF3540-0GE10

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 |

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	33 Hz
Code reading rate / maximum	30 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	0 ... 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
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

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET 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

last modified:	05/08/2020