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Data sheet 6GF3540-0CD10

product type designation	**Code Reader MV540 S**
	SIMATIC MV540 S optical reader resolution: 800 x 600 pixels; Function: 1D/2D code reading; Image field and distance: variable (depends on lens); PoE; IP67 with 6GF3540-8ADxx; Delivery: Reader and SD card adapter;



Technical Product Detail Page	https://i.siemens.com/1P6GF3540-0CD10
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, 800 x 600
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	100 Hz
code reading rate / maximum	80 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
ambient conditions	

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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, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible

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