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Data sheet 6GF3440-1GE10

product type designation	**MV440 HR code reader**



- - spare part - - SIMATIC MV440 HR optical reader; resolution: 1024x 768 pixels; for 1D/2D code reading, text recognition and object detection; field of image and distance: variable; PoE; IP67 (with 6GF3440-8AC1X); delivery: reader, CD-ROM and plastic protective barrel; (without: cable, luminaire, lens, licenses).

product brand name	SIMATIC MV
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), QR (without: Micro and Macro), Vericode, text recognition: OCR-A, Semifont M13, similar fonts, code verification: ISO/IEC 29158, Siemens DPM, ISO/IEC 15415, AS9132 Rev. A, ISO/IEC 16416
interfaces	
type of electrical connection	
● of Industrial Ethernet interface	M12, d-coded, PoE
● of the RS 422 interface	M12, 8-pin, male
● of the RS 232 interface	M16, 12-pin, male
● for supply voltage	M16, 12-pin, male
● at the digital inputs/outputs	M16, 12-pin, male
number of digital inputs	5
number of digital outputs	5
digital input version	1 high-speed trigger input, 4 opto-isolated inputs (NPN, PNP capability) optionally as output
digital output version	1 high-speed strobe output for external lighting, 4 isolated outputs optionally as input, short-circuit-proof, max. 100 mA,
optical data	
design of image sensor / of the camera	CCD Chip 1/3", 1024 x 768
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 with Plexiglas lens protection, 65 mm diameter
type of light source	Integrated lighting or external lighting according to accessories list
picture recording frequency / maximum	30 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
●	19.2 ... 28.8 V
consumed current / at DC / at 24 V	
● typical	0.27 A
● maximum	2 A
buffering time / in the event of power failure / minimum	0.01 s
mechanical data	

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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	100 m/s²
vibrational acceleration	10 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	5 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, KCC, F&B suitable, UL
MTBF	88 a
accessories	
accessories	Licenses (verification and text recognition), mounting brackets, built-in ring lights, external ring lights, C-mount lenses, protective barrels for lenses
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● 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

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