

product type designation



Code Reader MV530 H

SIMATIC MV530 H optical reader Resolution: 1280 x 1024 pixels; Function: 1D/2D code reading; operating range [mm]: 30...250, depending on dot size; image field[mm]: 40x30...320x255; PoE; IP67; delivery: complete reader incl. built-in ring lamp green, pole filter, Optic 5.6 mm (fix- focus, fixed cover) and protective barrel;

Technical Product Detail Page

<https://i.siemens.com/1P6GF3530-0GE10>

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"> • of Industrial Ethernet interface • of the RS 422 interface • of the RS 232 interface • for supply voltage • at the digital inputs/outputs 	<p>M12, d-coded, PoE</p> <p>M12, 12-pin, male</p> <p>M12, 12-pin, male</p> <p>M12, 12-pin, male</p> <p>M12, 12-pin, male</p>
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	30 ... 250 mm
range / note	range determined and preset by the built-in special lens
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	Based on mounting

supply voltage, current consumption, power loss

supply voltage / at DC	<ul style="list-style-type: none"> • rated value • 	<p>24 V</p> <p>19.2 ... 28.8 V</p>
consumed current / at DC / at 24 V	<ul style="list-style-type: none"> • typical • maximum 	<p>0.2 A</p> <p>2 A</p>
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	
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<ul style="list-style-type: none"> during operation during storage during transport 	<p>50 °C</p> <p>-30 ... +70 °C</p> <p>-30 ... +70 °C</p>
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
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	
<ul style="list-style-type: none"> LLDP PROFINET IO protocol TCP/IP SNMP v1 SNMP v2 SNMP v3 DCP EtherNet/IP protocol OPC UA 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p> <p>Yes</p> <p>No</p> <p>No</p>
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 [CO ₂ eq]	
<ul style="list-style-type: none"> total during manufacturing during operation after end of life 	<p>177.46 kg</p> <p>27.19 kg</p> <p>150.2 kg</p> <p>0.07 kg</p>
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	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to web page: identification and localization systems to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	<p>https://support.industry.siemens.com/cs/ww/en/view/109766358</p> <p>https://www.siemens.com/tstcloud</p> <p>https://www.siemens.com/ident</p> <p>https://sieportal.siemens.com/</p> <p>https://www.automation.siemens.com/bilddb</p> <p>https://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
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 for preventing unauthorized access to their plants, systems, machines and

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