SIEMENS

Data sheet 6GF3320-0HT01

product type designation



MV320 optical hand-held reader

SIMATIC MV320 optical reader, handheld reader for 1D and 2D codes e.g. data matrix, ready-to-use set from reader and USB cable power supply via USB 6' (1.8 m) for use with codes with medium to high contrast, reading range depending on code type and size 20 mm to 375 mm.

Technical Product Detail Page	https://i.siemens.com/1P6GF3320-0HT01
suitability for operation	1D/2D: Aztec, Codabar, Codablock F, Code 11, Code 39, Code 39 Short Margin, Code 39 Extended Full ASCII, Code 39 Checksum, Code 93, Code 128, Code 128 Short Margin, Composite, Data Matrix, Data Matrix Rectangle, Data Matrix Inverse, GS1 DataBar (all), Interleaved 2of5, Interleaved 2of5 - 2 Digits, Macro PDF417, Maxicode, Matrix 2of5, Micro PDF417, MSI Plessy, NEC 2of5, OCR, PDF417, Postal Codes (All), QR Code, Telepen, UPC, UPC Short Margin, UPC Extension
range	20 ... 375 mm
range / note	Code-dependent
optical data	
design of image sensor / of the camera	CMOS 1280 x 960, image resolution 960 x 640
fastening method / of lens	Integrated
type of light source	Lighting system comprising incident light (red)
picture recording frequency / maximum	10 Hz
type of focusing	Fixed focus, optimum focal point at 6.3 mm
supply voltage, current consumption, power loss	
type of current supply	Via USB or external plug-type power supply unit (RS232), 5 V, 410 mA
type of battery	--
ambient conditions	
ambient temperature	
• during operation	-20 ... +55 °C
• during storage	-30 ... +65 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
height of fall / maximum	1.8 m
design, dimensions and weights	
width	132 mm
height	52 mm
depth	92 mm
net weight	0.13 kg
product features, product functions, product components / general	
design of the display	2 LEDs
operator element version	Trigger in handle
design of acoustic signaling element	Vibration alarm, audible signal
design of the interface	USB, RS232
product functions / management, configuration, engineering	
product function / of the software	Read, display, save, transfer codes
type of programming	Optical parameterization or via configuration software
accessories	

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accessories	RS232 cable with power supply, USB cable, stand
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: RFID country approval	https://www.siemens.com/rfid-approvals
● to web page: identification and localization systems	https://www.siemens.com/ident
● to website: Industrial communication	https://www.siemens.com/simatic-net
● 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 for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

Declaration of Conformity	CE EG-Konf.	CCC	EAC	China RoHS

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