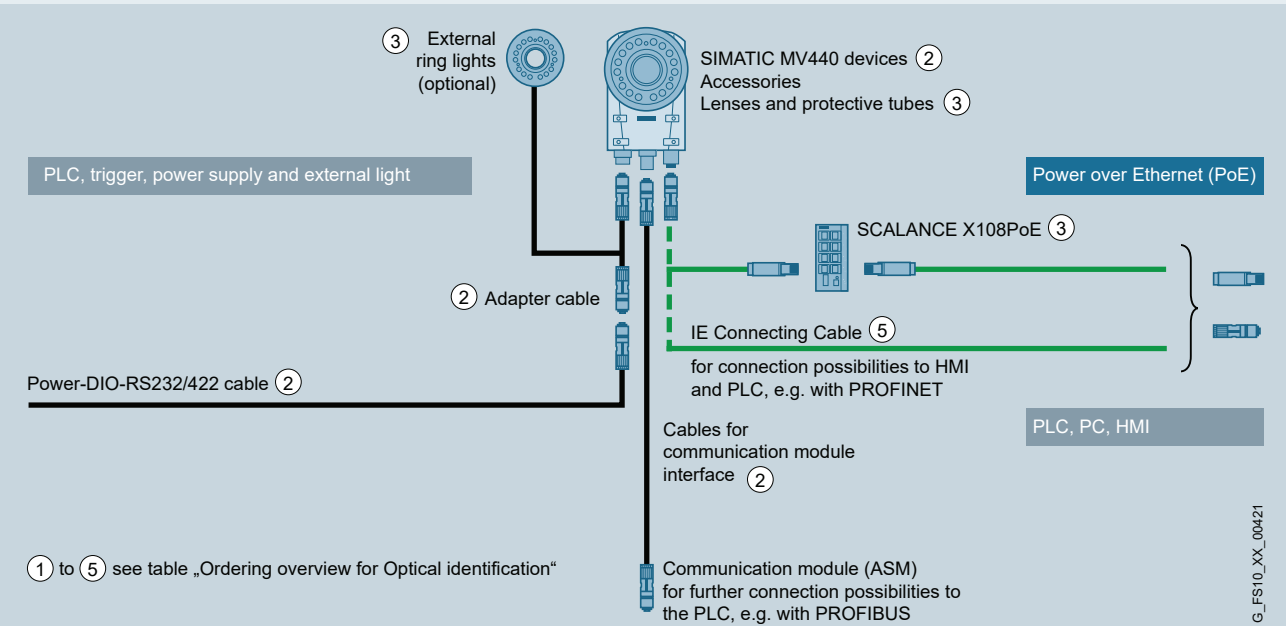
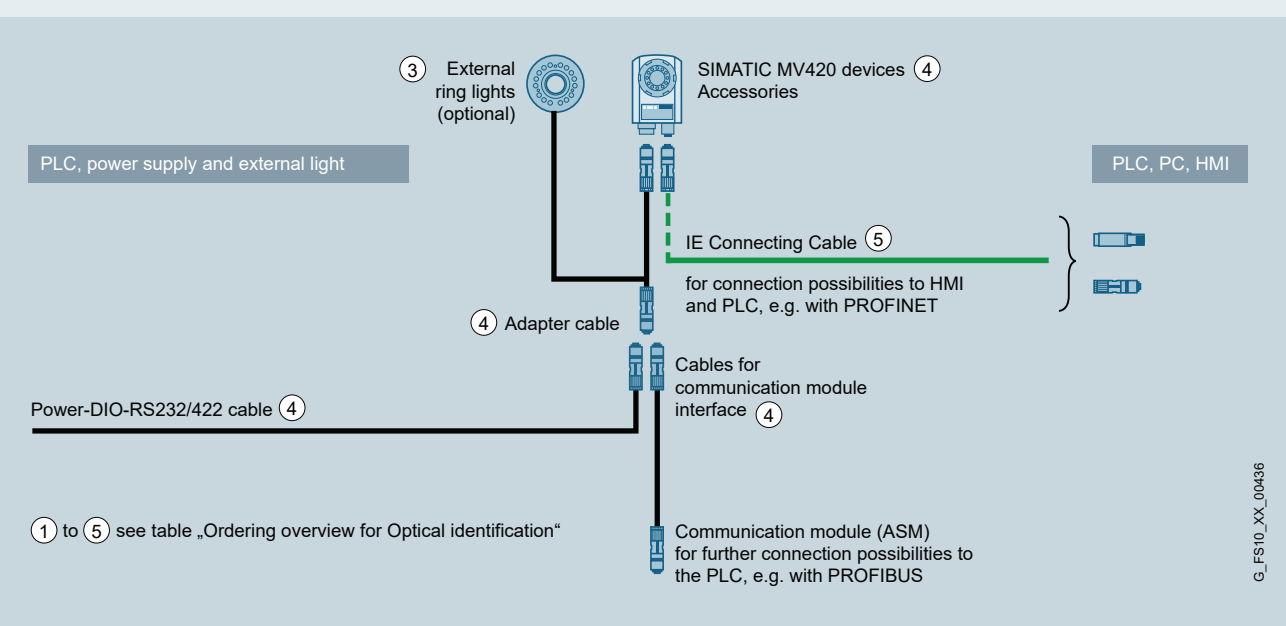


SIMATIC MV540 configuration



SIMATIC MV440 configuration



SIMATIC MV420 configuration

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SIMATIC Ident

Optical Identification




Reading and verification of 1D/2D codes
Text and Object recognition

Ordering overview – Edition 12/2017

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	Product	Comments	Article number *)
Optical handheld readers			
	SIMATIC MV320	Robust and impressive industrial barcode and data matrix code reader. For data matrix codes with medium to high contrasts. Communication with a host computer via USB or RS232. Can also be connected to communication module RF170C through a spiral cable.	6GF3320-0HT01
	SIMATIC MV325	Robust and impressive industrial barcode and data matrix code reader. For data matrix codes with medium to high contrasts. Suitable for wireless communication via bluetooth radio interface. Communication with a host computer via USB.	6GF3325-0HT01
	SIMATIC MV340	Robust and powerful industrial barcode and data matrix code reader, also suitable for low-contrast codes. Features a USB cable. Communication with a host computer via USB or RS232. Can also be connected to communication module RF170C through a spiral cable.	6GF3340-0HT01

For accessories, see ID 10 Catalog

Optical identification ordering overview			
	Product	Comments	Article number *)
SIMATIC MV540 stationary optical reader ①			
	SIMATIC MV540 S	Resolution: 800 x 600 pixels	6GF3540-0CD10
	SIMATIC MV540 H	Resolution: 1280 x 1024 pixels	6GF3540-0GE10
	SIMATIC MV540 U	Resolution: 1920 x 1200 pixels	6GF3540-0LE10
	SIMATIC MV540 X	Resolution: 2592 x 2048 pixels	6GF3540-0HE10
	Built-in ring lights NEAR	red	6GF3540-8DA41
		white	6GF3540-8DA21
		infrared	6GF3540-8DA11
	Built-in ring lights FAR	red	6GF3540-8DA42
		infrared	6GF3540-8DA12
	E-focus lens	32 mm plus liquid lens, 1:1.6	6GF3540-8EA03-0LL0
	POWER-IO-DATA cable	M12, 12-pole MV5XX-sided; not trailable; unconnected end; length: 10 m	6GF3500-8BA21
		M12, 12-pole MV5XX-sided; not trailable; unconnected end; length: 30 m	6GF3500-8BA41
	Cable for communication modules	M12, 12-pole MV5XX-sided; M12, 8-pole	6GF3500-8BA12
		For communication modules, see ID 10 Catalog – chapter 5	
	Adapter cable for SIMATIC MV540 external ring lights	Connection of 6GF3400-0LT0-XXA1; length: 30 cm	6GF3500-8BD10
	SD adapter	MICRO-SD adapter	6GF3500-8HA01
SIMATIC MV440 stationary optical reader ②			
	SIMATIC MV440 SR	Resolution: 640 x 480 pixels	6GF3440-1CD10
	SIMATIC MV440 HR	Resolution: 1024 x 768 pixels	6GF3440-1GE10
	SIMATIC MV440 UR	Resolution: 1600 x 1200 pixels	6GF3440-1LE10
	“Text-Genius” license“ 1)	Text recognition, OCR	6GF3400-0SL01
	“Text-Genius Plus” license 6)	Text recognition, OCR, learning of new fonts	6GF3400-1SL01
	“Veri-Genius” license 2)	Verification, incl. calibration template	6GF3400-0SL02
	“Pat-Genius” license 7)	Object recognition (classification, position detection, presence check, completeness check, symbol recognition)	6GF3400-0SL03
	Built-in ring lights	red	6GF3440-8DA11
		infrared	6GF3440-8DA41
		white	6GF3440-8DA21
		green	6GF3440-8DA31
	Power-IO-RS232 cable	M16 pre-assembled at one end, other end unconnected, 10 m	6GF3440-8BA2
		M16 pre-assembled at one end, other end unconnected, 30 m	6GF3440-8BA4
	Standard cable for communication modules	For direct connection of SIMATIC MV440 to ASM456, RF160C/170C/180C/182C, 2 m ... 50 m	6GT2891-4FXXX
		For communication modules, see ID 10 Catalog – chapter 5	
	Adapter cable for external ring lights	M12, 4-pole (socket), M16 12-pole (socket)	6GF3440-8BD1
Accessories – SIMATIC MV540 and SIMATIC MV440 stationary optical readers ③			
	Mounting plate	WxHxD (mm): 80x80x60; thickness: 4 mm	6GF3440-8CA
	Support system tri-plate	WxHxD (mm): 80x80x60; thickness: 4 mm	6GF9002-7AD
	Mini lenses 4)	6 mm, 1:1.4, D = 32 mm, L = 37.5 mm, MOD = 0.1 m	6GF9001-1BB01
		8.5 mm, 1:1.5 PENTAX, D = 42 mm, L = 47 mm, MOD = 0.2 m, not usable in connection with internal ring lights	6GF9001-1BE01
		12 mm, 1:1.4 PENTAX, D = 29.5 mm, L = 35.7 mm, MOD = 0.25 m	6GF9001-1BL01
		16 mm, 1:1.4 PENTAX, D = 29.5 mm, L = 37.2 mm, MOD = 0.25 m	6GF9001-1BF01
		25 mm, 1:1.4 PENTAX, D = 29.5 mm, L = 38.9 mm, MOD = 0.25 m	6GF9001-1BG01
		35 mm, 1:1.6 PENTAX, D = 29.5 mm, L = 41.4 mm, MOD = 0.4 m	6GF9001-1BH01
		50 mm, 1:2.8 PENTAX, D = 29.5 mm, L = 38 mm, MOD = 0.9 m	6GF9001-1BJ01
		75 mm, 1:2.8 PENTAX, D = 34 mm, L = 63.6 mm, MOD = 0.7 m, additionally requires lens protection tube extension D65, 6GF3440-8AC13	6GF9001-1BK01
	Intermediate ring set	Rings: 0.5/1/5/10/20/40 mm, D = 31 mm, to reduce the operating distance or for reading at close range	6GF9001-1BU
		Rings: 0.5/1/1 mm, D = 31 mm, to reduce the operating distance or for reading at close range	6GF9001-1BU01
	Infrared filter 5)	To be independent of daylight, suitable for mini lenses	6GF9001-2AD
	Blue filter 5)	Improves the reproduction of structures, suitable for mini lenses	6GF9001-2AE
	Polarization filter 5)	Reduction of metallic reflections	6GF9001-2AF
	Daylight filter (UV-IR-Cut)	Protects the camera sensor against light frequencies other than daylight (e.g. laser rays)	6GF3440-8EA1
	Lens protection tube	Made of metal, D65, for built-in ring lights, diameter inside: 57 mm, max. length of lens: 57 mm, for IP67 degree of protection Glass front pane	6GF3440-8AC11
	Glass front pane	5 panes, replacing the pane in the protective tube, suitable for 6GF540-8AC11	6GF3540-8AC14
	Plastic front pane	10 panes, replacing the pane in the protective tube, suitable for 6GF540-8AC11	6GF3540-8AC15
	D65 lens protection tube extension	33 mm extension	6GF3440-8AC13
	External ring lights	Housing: metal, lamp: infrared, front pane: clear, IP67, range of illumination 500 ... 23000 mm, 24 Volt	6GF3400-0LT01-7BA1
		Housing: metal, lamp: red, front pane: clear, IP67, range of illumination 500 ... 3000 mm, 24 Volt	6GF3400-0LT01-8DA1
	Mounting plate	For external ring lights, WxHxD (mm): 96 x 76 x 46, thickness: 4 mm	6GF3440-8CD01
Industrial Ethernet switches for Power over Ethernet (PoE)			
	SCALANCE X108PoE	6x 10/100 Mbit/s electrical RJ45 ports 2x 10/100 Mbit/s electrical RJ45 PoE ports	6GK5108-0PA00-2AA3
For further Industrial Ethernet switches for PoE, please refer to the IK PI Catalog under “Industrial Ethernet switches/Media converters”			
SIMATIC MV420 stationary optical reader ④			
	SIMATIC MV420 SR-B	Basic model MV420 Pre-configured basic model incl. lens (6 mm, aperture 5.6) and red ring light, without multicode reading and ID-Genius algorithm	6GF3420-0AA20
	SIMATIC MV420 SR-P	Performance model MV420 Pre-configured performance model incl. lens (6 mm, aperture 5.6) and red ring light, for very high read rates, with multicode reading and ID-Genius algorithm	6GF3420-0AA40
	Built-in ring light	red	6GF3420-0AC00-1LT0
	Lens kit	Lens 6 mm, aperture 5.6, incl. protective tube	6GF3420-0AC00-0LK0
		Lens 16 mm, aperture 4, incl. protective tube	6GF3420-0AC00-1LK0
	Power-IO-RS232 cable	M16 pre-assembled at one end, other end unconnected, 10 m	6GF3440-8BA2
		M16 pre-assembled at one end, other end unconnected, 30 m	6GF3440-8BA4
	Adapter cable for communication modules	For direct connection of SIMATIC MV420 to ASM 456, RF160C/170C/180C/182C; 2 m; can be extended with cable 6GT2891-4FXXX	6GF3420-0AC00-2CB0
		For communication modules, see ID 10 Catalog – chapter 5	
	Adapter cable for external ring lights	M12, 4-pole (socket), M16 12-pole (socket)	6GF3440-8BD1
	Protective tube replacement set	2x protective tubes, 3x O rings, 8x mounting screws, offset screwdriver	6GF3420-0AC00-2AA0
	Mounting plate MV420	WxHxD (mm): 40x54x44; thickness: 2 mm	6GF3420-0AC00-1AA0
	Plug-in power supply (EU, US)	Demo and laboratory operation (for office environment only)	6GF3420-0AC00-1PS0
Cables for SIMATIC MV540, SIMATIC MV440 and SIMATIC MV420 ⑤			
	IE connecting cable M12-180/IE FC RJ45 Plug-145	For commissioning, service and installation, 2 m	6XV1871-5TH20
	IE connecting cable M12-180/IE FC RJ45 Plug-145	Pre-configured IE FC TP trailing cable GP 2 x 2; 2 m ... 15 m	6XV1871-5TXXX
	IE connecting cable M12-180/M12-180	For installation; 0.3 m ... 15 m	6XV1870-8AXXX
Cables can be assembled by the user for any cable lengths or connector versions			
	IE FC TP standard cable GP 2x2	4-wire, shielded TP installation cable for connection to IE, sold by meter (price/meter)	6XV1840-2AH10
	IE FC stripping tool	Stripping tool for IE FC cables	6GK1901-1GA00
	IE FC RJ45 Plug 180 RJ45 plug connector	Rugged metal housing, FC connecting, straight cable outlet	6GK1901-1BB10-2AA0
	IE FC M12 Plug PRO	Rugged metal housing, axial cable outlet, D-coded	6GK1901-0DB20-6AA0
For further cables, see IK PI Catalog under “Cabling technology”			
1) Executable on MV440, firmware 3.0 or higher		5) External lighting (e.g. IR for infrared)	*) You will find up-to-date ordering data on the Internet at: www.siemens.com/industrymall Conditions of sales and delivery are available at: www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf
2) Executable on MV440, firmware 4.0 or higher		6) Executable on MV440, firmware V5.0 or higher	
3) Included in scope of delivery of MV440		7) Executable on MV440, firmware V6.0 or higher	
4) MOD = minimum object distance			