

SIMATIC code reading systems

Portfolio overview

Order overview · October 2011



SIMATIC Ident

Answers for industry.

SIEMENS

Example applications

SIMATIC MV420: Reading of DMC/bar codes on labels, operating distance approx. 90 mm, field of view: 60 mm x 45 mm

Product

Order No.

SIMATIC MV420 SR-B
Power-IO-RS232 cable
IE connecting cable M12-180/IE FC RJ45 plug-145, 2 m long
Mounting bracket

6GF3 420-0AA20
6GF3 440-8BA2
6XV1 871-5TH20
6GF3 420-0AC00-1AA0


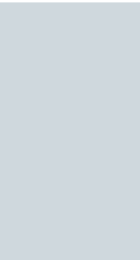

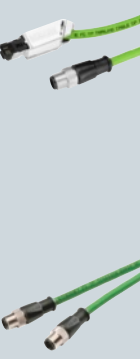

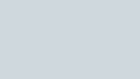
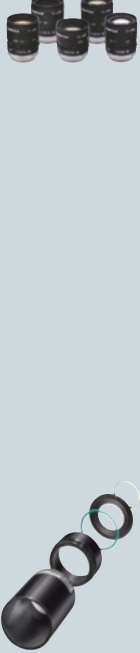

SIMATIC MV440: Reading of DMC/bar codes, operating distance approx. 150 mm, field of view: 45 mm x 35 mm

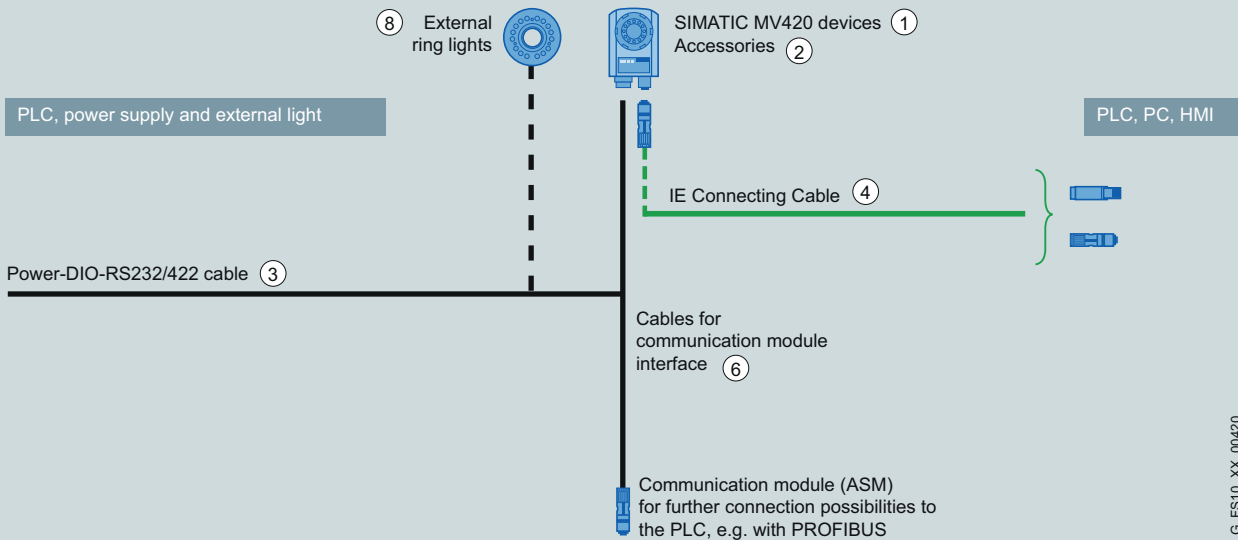
Product

Order No.

SIMATIC MV440 SR
Power-IO-RS232 cable
IE connecting cable M12-180/IE FC RJ45 plug-145, 2 m long
Built-in ring lamp, red
Mounting plate
16 mm lens

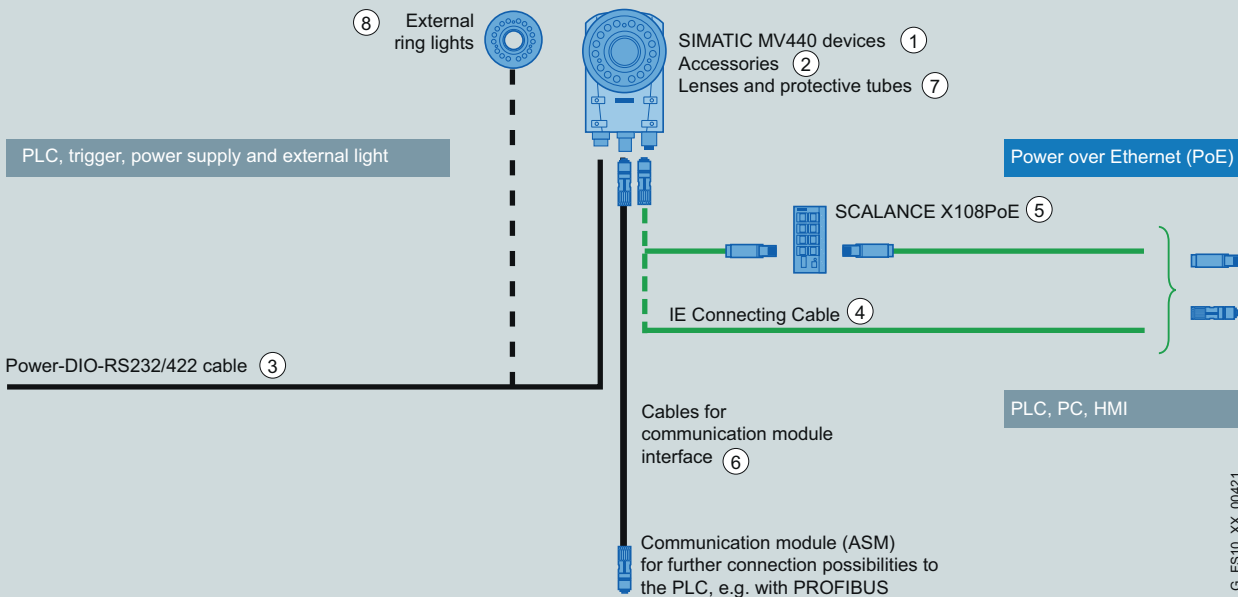
6GF3 440-1CD10
6GF3 440-8BA2
6XV1 871-5TH20
6GF3 440-8DA11
6GF3 440-8CA
6GF9 001-1BF01

SIMATIC code reading systems order overview			
	Product	Comment	Order No.
SIMATIC MV400 stationary code reading systems ①			
	MV420 SR-B 1)	Basic model, incl. built-in ring lamp, red	6GF3 420-0AA20
	MV420 SR-P 1)	Performance model with multi-code and ID-Genius algorithm; incl. built-in lamp, red	6GF3 420-0AA40
	MV440 SR 1)	Resolution: 640 x 480 pixels	6GF3 440-1CD10
	MV440 HR 1)	Resolution: 1024 x 768 pixels	6GF3 440-1GE10
	MV440 UR 1)	Resolution: 1600 x 1200 pixels	6GF3 440-1LE10
	"Text-Genius" license 2)5)	OCR recognition	6GF3 400-0SL01
	"Veri-Genius" license 2)6)	Verification, incl. calibration template	6GF3 400-0SL02
SIMATIC MV400 accessories ②			
	Mounting bracket MV420 1)	WxHxD (mm): 40x54x44; thickness: 2 mm	6GF3 420-0AC00-1AA0
	Mounting plate MV440 1)	WxHxD (mm): 80x80x60, thickness: 4 mm	6GF3 440-8CA
	Tri-plate		6GF9 002-7AD
	Plug-in power supply (EU, US) 1)	Demo and storage mode (only office)	6GF3 420-0AC00-1PS0
	Built-in ring lamp	White, for MV420	6GF3 420-0AC00-2LT0
	Built-in ring lamp 1)	Red, for MV440	6GF3 440-8DA11
	Built-in ring lamp 1)	White, for MV440	6GF3 440-8DA2
Power supply connection, IO-RS232 and external lighting ③			
	Power-IO-RS232 cable 1)	M16, assembled at one end, unconnected end, 10 m	6GF3 440-8BA2
		M16, assembled at one end, unconnected end, 30 m	6GF3 440-8BA4
Cables ④			
	IE connecting cable from M12 (D-coded) to RJ45 1)	2 m; for commissioning and test	6GF3 440-8BB1
	IE connecting cable M12-180/IE FC RJ45 plug-145	2 m; for commissioning/service/installation	6XV1 871-5TH20
	IE connecting cable M12-180/M12-180	For installation; 0.3 m ... 15 m	6XV1 870-8A...
	Cables can be assembled by the user for any cable lengths or connector versions		
	IE FC TP standard cable GP 2x2 (type A)	4-wire, shielded TP installation cable; sold by the meter; price/meter	6XV1 840-2AH10
	IE FC stripping tool	Stripping tool for IE FC cables	6GK1 901-1GA00
	IE FC RJ45 plug 180	IE FC RJ45 plug 2x2, 180° cable outlet	6GK1 901-1BB10-2AA0
	IE FC M12 plug PRO 1)	M12 plug connector for assembly in the field (D-coded IP65/67)	6GK1 901-0DB20-6AA0
	For further cables, see IK PI Catalog under "Cabling systems"		
Industrial Ethernet switches for Power over Ethernet (PoE) ⑤			
	SCALANCE X108PoE	6 x 10/100 Mbit/s electrical RJ45 ports 2 x 10/100 Mbit/s electrical RJ45 PoE ports	6GK5 108-0PA00-2AA3
	Further Industrial Ethernet switches for PoE, please refer to the IK PI Catalog under "Industrial Ethernet switches/Media converters"		
Cables for the communication module interface ⑥			
	Standard cable without communication modules	For the direct connection of MV440 to ASM456, RF160C/170C/180C/182C, 2 m ... 50 m; or as extension cable for 6GF3420-0AC00-2CB0	6GT2 891-4F...
	Adapter cable for communication modules 1)	For the direct connection of MV420 to ASM 456, RF160C/170C/180C/182C; 2 m; can be extended with the cable 6GT2891-4F...	6GF3 420-0AC00-2CB0
Lenses and protective tube for SIMATIC MV440 ⑦			
	Mini lens 3)8)	8.5 mm, 1:1.5 PENTAX C815B (TH); D = 42 mm, L = 47 mm, MOD = 0.2 m; not suitable for built-in ring lamp	6GF9 001-1BE01
		12 mm, 1:1.4 PENTAX H1214-M (KP); D = 29.5 mm, L = 35.7 mm, MOD = 0.25 m	6GF9 001-1BL01
		16 mm, 1:1.4 PENTAX C1614-M (KP); D = 29.5 mm, L = 37.2 mm, MOD = 0.25 m	6GF9 001-1BF01
		25 mm, 1:1.4 PENTAX C2514-M (KP); D = 29.5 mm, L = 38.9 mm, MOD = 0.25 m	6GF9 001-1BG01
		35 mm, 1:1.6 PENTAX C3516-M (KP); D = 29.5 mm, L = 41.4 mm, MOD = 0.35 m	6GF9 001-1BH01
		50 mm, 1:2.8 PENTAX C5028-M (KP); D = 29.5 mm, L = 38 mm, MOD = 0.9 m	6GF9 001-1BJ01
		75 mm, 1:2.8 PENTAX C7528-M (KP); D = 34 mm, L = 63.6 mm, MOD = 0.7 m; not with D65 protective lens tube	6GF9 001-1BK01
	Intermediate ring set 3)	Rings: 0.5/1/5/10/20/40 mm; D = 31 mm, to reduce the operating distance or for reading at close range	6GF9 001-1BU
	Infrared filter 4) 9)	To be independent of daylight	6GF9 001-2AD
	Blue filter 4) 9)	Improves the of reproduction of structures	6GF9 001-2AE
	Polarization filter 4) 9)	Reduction of metallic reflections	6GF9 001-2AF
	Focal length doubler 3)	Increases the focal length by a factor of 2	6GF9 001-1BV
	Protective tube D65	Made of metal; IP67; glass front pane	6GF3 440-8AC11
	Protective tube D65 1)7)	Made of plastic; IP67	6GF3 440-8AC12
	Protective tube D50	Made of metal; for external ring lamps	
		• Glass front pane	6GF9 002-7AA
		• Plastic front pane	6GF9 002-7AA01
External ring lamps ⑧			
	External ring lamp:		
	• Metal, IR, diffuse	IP67, range of illumination 75 ...250 mm	6GF9 004-7AA01
	• Metal, IR, clear	IP65, range of illumination 500 ...3000 mm	6GF9 004-7BA01
	• Metal, red, diffuse	IP67, range of illumination 75 ...250 mm	6GF9 004-8BA01
	• Metal, red, clear	IP67, range of illumination 150 ...2000 mm	6GF9 004-8CA01
	• Metal, red, clear	IP67, range of illumination 500 ...3000 mm	6GF9 004-8DA01
	Mounting plate 1)	For external ring lamps for coaxial mounting on the MV440	6GF3 440-8CA
	Cable	For external ring lamps	
	• M12, unconnected end	4-pole, not trailable, 10 m	6GF3 440-8BC4
	• M12-90 connector / M12-180 socket	4-pole, 10 m	6GF9 002-8CG
	Rail-mounted power supply 1) (power supply for external ring lamp)	Input voltage 110 V ... 230 V AC, output voltage 16.5 V DC	6GF9 002-8PS
1) Subject to export regulations AL:N and ECCN: EAR99H 2) Subject to export regulations AL:N and ECCN: EAR99S 3) Subject to export regulations AL:9I999 and ECCN: EAR99H 4) Subject to export regulations AL:9I999 and ECCN: N 5) Executable on MV440, firmware V3.0 or higher		6) Executable on MV440, firmware V4.0 or higher 7) Included in scope of delivery of MV440 8) MOD = minimum object distance 9) External lighting (e.g. IR for infrared filter) required	



G_FS10_XX_00420

SIMATIC MV420 configuration



G_FS10_XX_00421

SIMATIC MV440 configuration

Export regulations

The products in this price list may be subject to European/German and/or US export regulations. Therefore, any export requiring a license is subject to approval by the competent authorities. According to current provisions, the following export regulations must be observed with respect to the products featured in this price list:

- AL** Number of the German export list
Products marked other than "N" require an export license.
Goods labeled with "AL not equal to N" are subject to European or German export authorization if when being exported out of the EU.
- ECCN** Export Control Classification Number
Products marked other than "N" are subject to a reexport license to specific countries.
Goods labeled with "ECCN not equal to N" are subject to US re-export authorization.

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