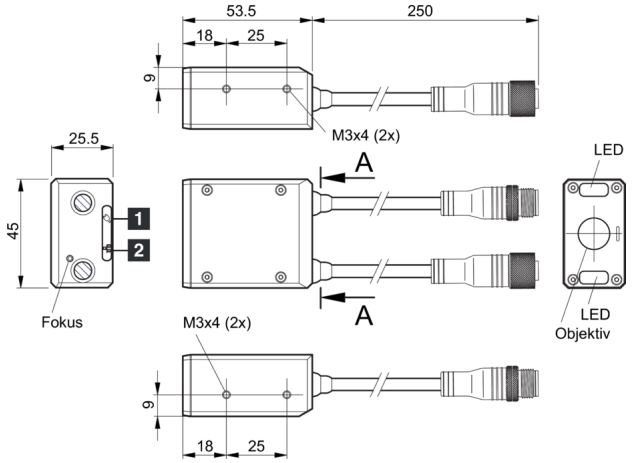
215705
CS52-BM416-EP5/300ID/OCR
CS 52 Vision Sensor

- Localization, parts detection, counting, reading codes and plain text
- Upgrade option: Measuring and smart licenses
- Ultra compact & very high-performing
- Internal LED lighting in white
- Flexible and productive Software nVision-i
- Parameter changes via linked Profinet inputs during execution
- Simple & intuitive parameterization
- Integrated lens with 16 mm focal length
- Flexible working distances



1) Green – operation, Red – signal digital input
2) Green – Data Link, Red – Ethernet Signal

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1	NC	7	Power (21-28V)
2	Digital IN1	8	GND
3	Digital Out2	9	NC
4	NC	10	Trigger (Digital IN0)
5	READY (Digital Out3)	11	Digital OUT0
6	NC	12	Digital OUT1

8-pol X-codiert

1	LAN A+	5	LAN D+
2	LAN A-	6	LAN D-
3	LAN B+	7	LAN C-
4	LAN B-	8	LAN C+

Function

PROFINET EtherNet/IP™

Technical data (typ.)	+20°C, 24 V DC
Electrical features	
Service voltage	21 … 28 V DC
No-load current (max.)	1000 mA (24 V DC)
Inverse polarity protection	No
Short-circuit protection	No
Insulation voltage endurance	500 V
Mechanical features	
Housing material	Aluminum (Black, powder-coated)
Material	PMMA (Window / optics)
Lens connection	S-mount
Weight	125 g
General features	
Model	CS 52
Design	Cuboid design
Sensor type	SONY IMX900

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Technical data (typ.)	+20°C, 24 V DC
Functional scope	
Inspection tasks	Localization, Parts recognition, Counting, Read code, Reading plain text
Shutter	global
Code type - 1D-Codes (barcodes)	Code 2 of 5, Codabar, Code 128, Code 39, Databar, UPC / EAN, Pharmacode
Code type - 2D-Codes	Aztec Code, Data Matrix, Dotcode, QR
Code type - Stacked codes	PDF 417
Internal lights	White
Output, input, interface	
Switching output	Open Emitter, 50 mA
Switching output number	3 (programmable, 1 (Ready))
Voltage drop (max.)	2 V
Interface	Digital Input/Output
Protocols	TCP/IP, FTP/SFTP, Profinet, EtherNet/IP
Optical data	
Color	White (internal)
Focal length	16 mm
Detection range, measuring range, tolerance limits	
Resolution	2064 x 1552 Pixel (3.2 MP)
Time behavior	
Flash length	< 2 ms
Ambient conditions	
Protection type	IP 50
Electrical connection	
Connection	Connector, 0.2 m, M12, 12-pin (A-coded)
Connection 2	Socket, M12, 8-pin (X-coded)
Cable	Connection cables max. 25 m

More information / accessories	https://www.di-soric.com/215705

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