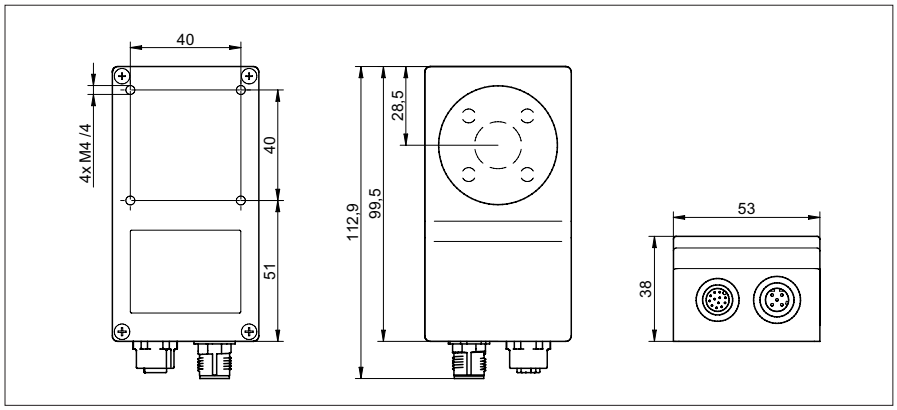
VeriSens® XF-100

VS XF100M03W16EP

Article no.: 11039659

Dimension drawing



General data

Resolution	752 × 480 pixels
LED illumination	White, LED class: risk group 1 (low risk, EN 62471:2008)
Speed High Resolution Mode: High Speed Mode:	 Max. 50 inspections per second Max. 100 inspections per second
Lens	16 mm
Min. object distance	70 mm
Number of jobs (products)	Up to 255
Features per job	32
Fault image memory	32
Signal processing	Baumer *FEX*® 4.0

Electrical data

Power supply	⎓ +18 … 30 VDC
Power consumption	Typical 5 W (I_{max} = 1 A at 24 V)
Inputs	8 … 30 VDC
Outputs	PNP 100 mA
Digital input	Trigger, Job selection, external Teach-in, Encoder (CH-A, CH-B) 500 kHz
Digital output	Pass / Fail 1-5, Flash Sync, Alarm, Camera Ready, Output Enable
Communication Setup Process interface Visualization	 Ethernet (10 Base-T / 100 Base-TX) Ethernet (TCP/IP) Web interface

Mechanical data

Width × Height × Depth	53 mm × 99.5 mm × 38 mm
Material	Housing: Aluminum, Cover glass: PMMA
Weight	250 g

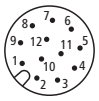
Operating conditions

Operationg temperature	+5 … 50 °C
Humidity	0 … 90 % (non-condensing)
Protection class	IP 67
Vibration load	IEC 60068-2-6, IEC 60068-2-64
Mechanical shock resistance	EN 60068-2-27

Photo

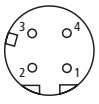
Connection (on device)

Electrical connection M12 / 12-pin



1: PWR (18-30 VDC)	7: OUT3
2: Ground	8: IN3
3: IN1 (Trigger)	9: OUT4
4: OUT1	10: IN4
5: IN2	11: IN5
6: OUT2	12: OUT5

Ethernet interface M12 / 4-pin



1: TD+	3: TD-
2: RD+	4: RD-

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Feature checks			
Part location	Geometry	Feature comparison	Identification
Part location on contours	Distance	Count contour points	
Part location on edges	Circle	Contour comparison	
Part location on circle	Angle	Brightness	
Part location on text line	Count edges	Contrast	
	Point position	Area size	
		Count areas	
		Pattern matching	

Further features

- User management
- Password protection
- Backup & Restore function
- Coordinate transformation
- Flexible result linking