

## overview

- User management
- Password protection
- Backup & Restore function
- coordinate conversion
- flexible result conjunction
- Download VeriSens® Application Suite: [www.baumer.com/vs-sw](http://www.baumer.com/vs-sw)
- available



## technical data

### general data

resolution	752 × 480 px
sensor type	1/3" CMOS, monochrome
illumination	integrated, LED infrared (860 nm)
LED class	free group (risk free, EN 62471:2008)
high-resolution mode	max. 50 inspections per second
high-speed mode (limited resolution)	max. 100 inspections per second
object distance min.	70 mm
object distance max.	300 mm
number of jobs (products)	≤ 255
features per job	32
signal processing	Baumer FEX® 4.0
defect image memory	32
lens	16 mm

### electrical data

voltage supply range +Vs	18 ... 30 V DC
power consumption	typical 5 W ( $I_{max} = 1 \text{ A}$ at 24 V)
digital inputs	5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz
digital outputs	5 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable

### electrical data

initial setup	Ethernet (10BASE-T / 100BASE-TX)
process interface	TCP/UDP (Ethernet)
visualization	web interface

### mechanical data

width	53 mm
height	107,5 mm
depth	38 mm
weight	≤ 700 g
material	housing: stainless steel 1.4404 cover glass: PMMA, integrated daylight filter (780 nm)

### environmental conditions

operating temperature	+5 ... +50 °C
storage temperature	-20 ... +70 °C
case temperature	max. +50 °C
humidity	0 ... 90 % (non-condensing)
protection class	IP 69K
vibration load	IEC 60068-2-6 IEC 60068-2-64
mechanical shock resistance	EN 60068-2-27

### feature checks

part location	part location on contours part location on edges part location on circle part location on text line
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# VS XF105M03I16EP

XF105

Article number: 11127047

## technical data

### feature checks

<p>geometry</p> <hr/> <p>feature comparison</p>	<p>distance circle angle count edges point position edge characteristics</p> <hr/> <p>contour comparison count contour points brightness contrast area size count areas pattern comparison</p>
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### conformity

conformity	CE RoHS
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### non-volatile memory

flash memory size	256 Mbit Flash S29GL256P10FFI010
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## Electrical connection



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



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

## dimension drawing

