

overview

- User management
- Password protection
- Backup & Restore function
- Coordinate conversion
- flexible result conjunction
- Download VeriSens® Application Suite: www.baumer.com/vs-sw



technical data

general data

resolution	752 × 480 px
sensor type	1/3" CMOS, monochrome
illumination	integrated, LED white
LED class	risk group 1 (low risk, EN 62471:2008)
high-resolution mode	max. 50 inspections per second
high-speed mode (limited resolution)	max. 100 inspections per second
object distance min.	50 mm
number of jobs (products)	≤ 255
features per job	32
signal processing	Baumer FEX® 4.0
defect image memory	32
lens	10 mm

electrical data

voltage supply range +Vs	18 ... 30 V DC
power consumption	typical 5 W ($I_{\max} = 1 \text{ A at } 24 \text{ V}$)
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
initial setup	Ethernet (10BASE-T / 100BASE-TX)
process interface	TCP/UDP (Ethernet)

electrical data

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

environmental conditions

operating temperature	+5 ... +60 °C @ T = measurement point
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
geometry	distance circle angle count edges point position edge characteristics

VS XF105M03W10EP

XF105

Article number: 11127070

technical data

feature checks

feature comparison	contour comparison
	count contour points
	brightness
	contrast
	area size
	count areas
	pattern comparison

conformity

conformity	CE
	RoHS

non-volatile memory

flash memory size	256 Mbit Flash S29GL256P10FFI010
-------------------	----------------------------------

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

