

overview

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



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)

electrical data

process interface	TCP/UDP (Ethernet)
visualization	web interface

mechanical data

width	53 mm
height	99,5 mm
depth	38 mm
weight	≤ 250 g
material	housing: aluminum cover glass: PMMA

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 67
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 XF100M03W10EP

XF100

Article number: 11039658

technical data

feature checks

geometry	distance
	circle
	angle
	count edges
	point position
feature comparison	edge characteristics
	count contour points
	contour comparison
	brightness
	contrast
	area size
	count areas
	pattern comparison

conformity

conformity	CE
	RoHS

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

