Baumer
Passion for Sensors

Vision sensors

VeriSens® ID100

VS ID100M03W16RP

Article number: 11076263

features

- User management
- Password protection
- Backup & Restore function

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
object distance min.	70 mm
object distance max.	300 mm
number of jobs (products)	≤ 255
features per job	32
signal processing	Baumer *FEX*® 3.5
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 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	3 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
initial setup	Ethernet (10BASE-T / 100BASE-TX)
process interface	TCP/UDP (Ethernet) RS485
visualization	web interface

non-volatile memory	
flash memory size	256 Mbit Flash S29GL256P10FFI010
mechanical data	
width	53 mm
height	99,5 mm
depth	38 mm
material	housing: aluminum cover glass: PMMA
weight	≤ 250 g
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
conformity	
conformity	CE KC (R-REI-BkR-VeriSens-RP) RoHS

EN/180418

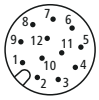
code types

barcode	2/5 Industrial 2/5 Interleaved Codabar Code 39 Code 93 Code 128 PharmaCode EAN 8 EAN 13 UPC-A UPC-E GS1 DataBar GS1 128
matrix code	DataMatrix (ECC 200) GS1-DataMatrix QR-Code PDF417

feature checks

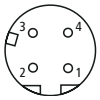
identification	barcode matrix code

electrical connection M12 / 12-pin, A-coded (on device)



1:	PWR (+18-30 V DC)	7:	OUT3
2:	Ground	8:	IN3
3:	IN1 (Trigger)	9:	RS485+
4:	OUT1	10:	IN4
5:	IN2	11:	IN5
6:	OUT2	12:	RS485-

Ethernet connection M12 / 4-pin (on device)



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

dimension drawing