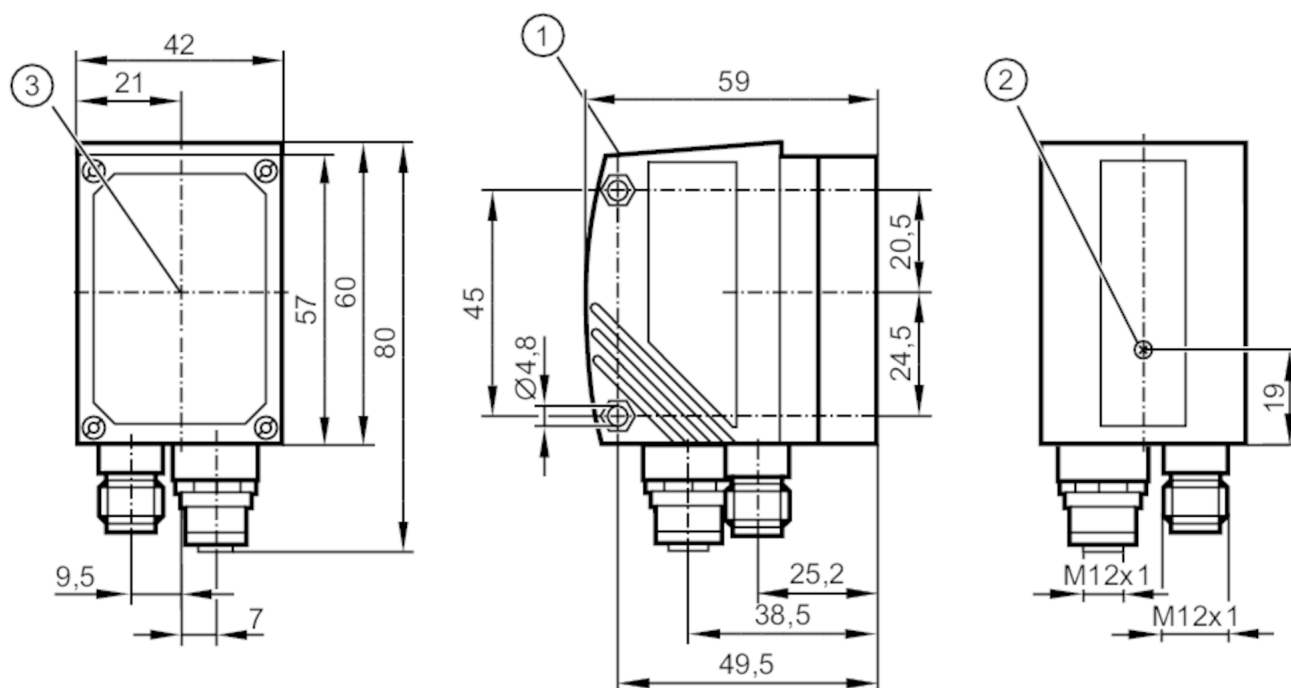




1D/2D code readers

O2IIOS-G/D/RS232/E1/E2

For 8-pole sockets the core colours are not standardised.
Please note the wiring of the sensor and the sockets (see data sheet).



- 1 Display
2 focus adjustment screw
3 centre of the lens axes



Product characteristics

Type of light		infrared light
Image resolution	[px]	640 x 480
Max. reading rate	[Hz]	20

Electrical data

Operating voltage tolerance	[%]	10
Operating voltage	[V]	24 DC
Current consumption	[mA]	< 300
Protection class		III
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	850
Image sensor		CMOS image sensor black/white
Internal lighting		yes; (infrared: 850 nm 4 lighting segments individual control via PC operating program)
Laser marking		yes; (red; Laser protection class 2 DIN EN 60825-1)

Inputs / outputs

Number of inputs and outputs	Number of digital outputs: 2
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1D/2D code readers

O2I10S-G/D/RS232/E1/E2

Inputs					
Trigger		internal; 24 V PNP (IEC 61131-2 Typ 1); RS-232; TCP/IP; EtherNet/IP			
Outputs					
Total number of outputs		2			
Number of digital outputs		2; (configurable)			
Output function		24 V PNP			
Max. voltage drop switching output DC [V]		2			
Max. current load per output [mA]		100			
Short-circuit protection		yes			
Overload protection		yes			
Detection zone					
Field of view size [mm]		Operating distance	field of view	Smallest detectable object	Resolution
		75	15 x 11		
		100	20 x 15		
		200	40 x 30		
		400	80 x 60		
		1000	200 x 150		
		2000	400 x 300		
Operating distance [mm]		> 75			
Image resolution [px]		640 x 480			
Lens type		Telephoto lens			
Readable codes		Interleaved 2-of-5; Industrial 2-of-5; Code 39; Code 93; Code 128; Pharmacode; Codabar; EAN8; EAN8 Add-On 2; EAN8 Add-On 5; EAN13; EAN13 Add-On 2; EAN13 Add-On 5; UPC-A; UPC-A Add-On 2; UPC-A Add-On 5; UPC-E; UPC-E Add-On 2; UPC-E Add-On 5; GS1 DataBar Omnidirectional; GS1 DataBar Truncated; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; GS1 DataBar Limited; GS1 DataBar Expanded; GS1 DataBar Expanded Stacked; GS1 - 128; MSI Barcode; ECC200; PDF-417; QR; Micro-QR; Aztec Code; GS1 ECC200; GS1 QR Code; GS1 Aztec Code			
Omnidirectional reading		yes			
Max. inclination to the image plane [°]		45			
Max. reading rate [Hz]		20			
Software / programming					
Parameter setting options		via two pushbuttons and 10-segment display or via PC / notebook with operating software			
Interfaces					
Communication interface		Ethernet; RS232			
Number of R232 interfaces		1			
Ethernet					
Number of Ethernet interfaces		1			
Transmission standard		10Base-T; 100Base-TX			
Transmission rate		10; 100			
Protocol		TCP/IP; UDP; EtherNet/IP			



1D/2D code readers

O2IIOS-G/D/RS232/E1/E2

Factory settings	IP address: 192.168.0.79
	subnet mask: 255.255.255.0
	gateway IP address: 192.168.0.201
	MAC address: see type label

Operating conditions		
Ambient temperature	[°C]	-10...50
Storage temperature	[°C]	-40...85
Protection		IP 67

Tests / approvals		
EMC	radiation of interference	EN 61326
	immunity	EN 61326
Shock resistance	IEC 60028-2-27	
Vibration resistance	IEC 60028-2-6	
UL approval	UL Approval no.	T001

Mechanical data		
Weight	[g]	448.5
Dimensions	[mm]	60 x 42 x 59
Materials		housing: diecast zinc powder-coated; front pane: glass; LED window: PC

Displays / operating elements		
Display	function	3 x LED, green
	switching status	4 x LED, yellow
		10-segment display, 4-digit

Accessories		
Accessories (optional)	Operating software	
	Mounting accessories	

Remarks		
Remarks		operating voltage "supply class 2" according to cULus
Pack quantity		1 pcs.

Electrical connection - Ethernet

Connector: 1 x M12; coding: D



1	TxD+
2	RxD+
3	TxD-
4	RxD-

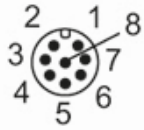


1D/2D code readers

O2IIOS-G/D/RS232/E1/E2

Electrical connection - RS-232

Connector: 1 x M12; coding: A



1	U+
2	trigger input
3	0 V
4	switching output 1 code evaluation / trigger output with external illumination
5	RxD RS-232
6	TxD RS-232
7	switching output 2 Ready
8	GND RS-232 electrically isolated < 50 V