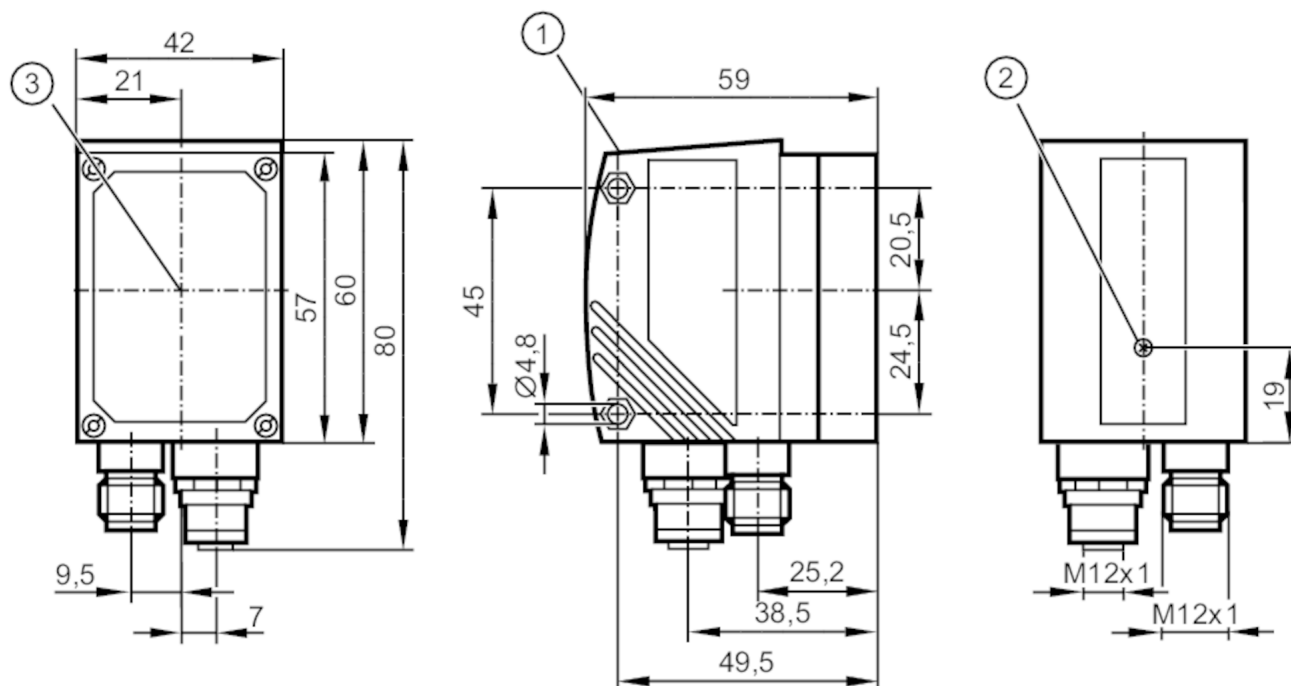




Object inspection sensor

O2VIRNKG/O/V/GM/E1/E2/T

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



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

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 2; Number of digital outputs: 5
------------------------------	---

Inputs

Trigger	24 V NPN (IEC 61131-2 Typ 1); internal
Number of digital inputs	2



Object inspection sensor

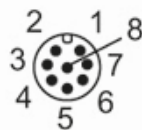
O2VIRNKG/OV/GM/E1/E2/T

Input circuit of digital inputs		24 V PNP; (configurable; IEC 61131-2 Typ 1)			
Outputs					
Total number of outputs		5			
Number of digital outputs		5; (configurable)			
Output function		24 V NPN			
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	0,08	0,02
		100	20 x 15	0,12	0,03
		200	40 x 30	0,25	0,063
		400	80 x 60	0,52	0,13
		1000	200 x 150	1,25	0,313
		2000	400 x 300	2,53	0,633
Image resolution [px]		640 x 480			
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			
Ethernet					
Number of Ethernet interfaces		1			
Transmission standard		10Base-T; 100Base-TX			
Transmission rate		10; 100			
Protocol		TCP/IP; EtherNet/IP			
Factory settings		IP address: 192.168.0.59			
		subnet mask: 255.255.255.0			
		gateway IP address: 192.168.0.201			
		MAC address: see type label			
Operating conditions					
Ambient temperature [°C]		-10...60			
Storage temperature [°C]		-40...85			
Protection		IP 67			
Tests / approvals					
EMC		radiation of interference		EN 61326	
		immunity		EN 61326	
Shock resistance		EN 60947-5-2, 7.4.1			
		IEC 60068-2-27			
Vibration resistance		EN 60947-5-2, 7.4.2			
		IEC 60028-2-6			



Object inspection sensor

O2VIRNKG/O/V/GM/E1/E2/T

Mechanical data		
Weight	[g]	466.5
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	TD+	
2	RD+	
3	TD-	
4	RD-	
Electrical connection - Process connection		
Connector: 1 x M12; coding: A		
		
1	U+	
2	trigger input	
3	0 V	
4	switching output 5 / trigger output	
5	switching output 3 / Ready	
6	switching output 4 / OUT	
7	switching output 1 / input 1	
8	switching output 2 / input 2	