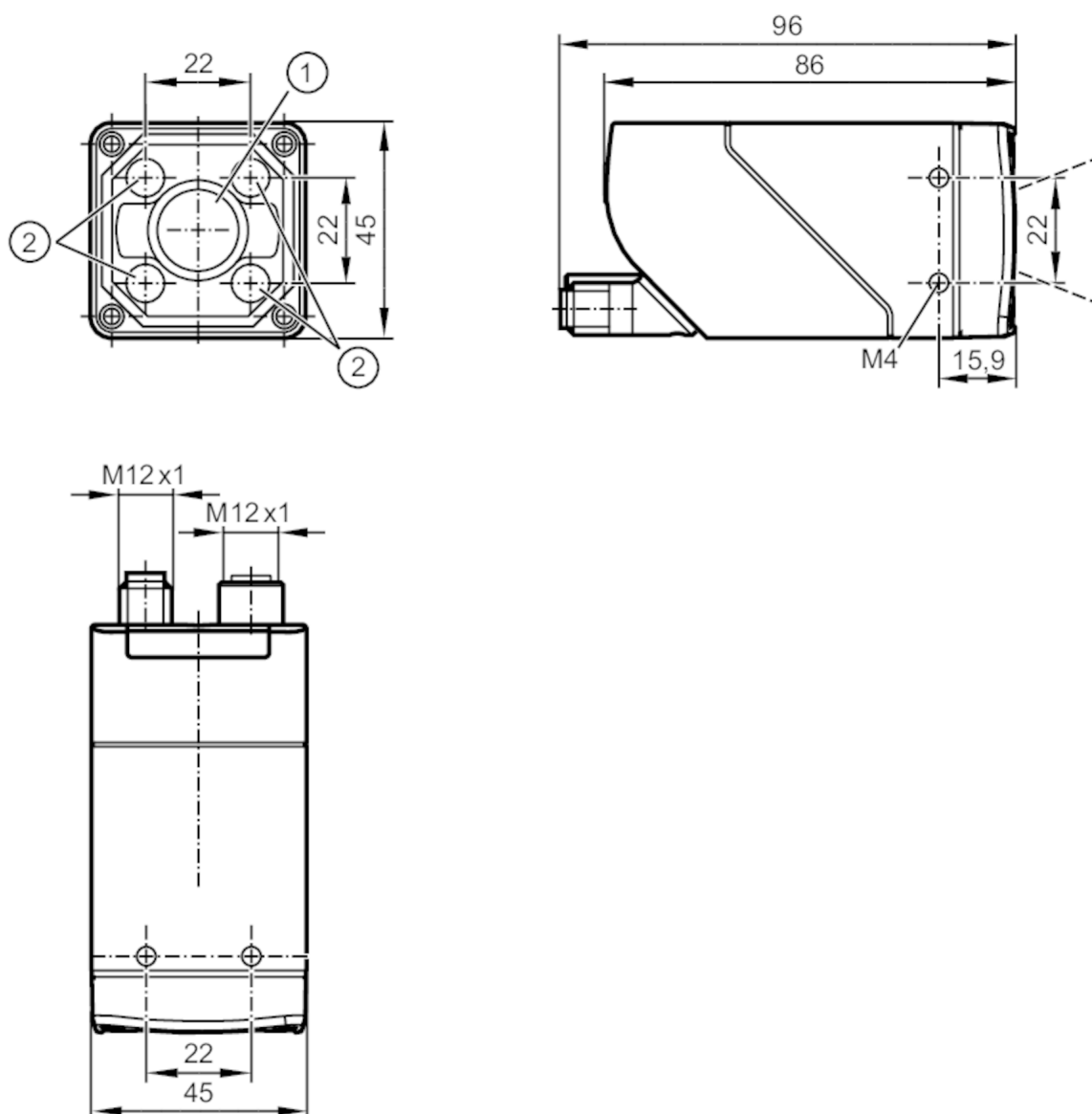


O2D554



Object recognition sensor

O2DIRDKG/E1/E4/EF/GM/T/10/5A



- 1 lens
- 2 Illumination unit



Product characteristics

Type of light	infrared light
Image resolution [px]	1280 x 960
Max. reading rate [Hz]	40

Electrical data

Operating voltage [V]	18...30 DC
Current consumption [mA]	< 300; (24V DC; with switched outputs: < 600 mA)
Protection class	III
Reverse polarity protection	yes
Type of light	infrared light
Wave length [nm]	850



Object recognition sensor

O2DIRDKG/E1/E4/EF/GM/T/10/5A

Image sensor		CMOS image sensor black/white			
Inputs / outputs					
Number of inputs and outputs		Number of digital inputs: 1; Number of digital outputs: 2			
Inputs					
Trigger		external; 24 V PNP/NPN (IEC 61131-2 Typ 3); TCP/IP; PROFINET; internal			
Number of digital inputs		1			
Outputs					
Electrical design		PNP/NPN; (parameterisable)			
Number of digital outputs		2; (configurable)			
Max. voltage drop switching output DC [V]		1			
Max. current load per output [mA]		100			
Short-circuit protection		yes			
Type of short-circuit protection		pulsed			
Overload protection		yes			
Detection zone					
Field of view size [mm]		Operating distance	field of view		
		200	38 x 29		
		300	58 x 43		
		500	96 x 72		
		1000	192 x 144		
		1500	288 x 216		
		2000	384 x 288		
		5000	960 x 720		
Operating distance [mm]		> 200			
Image resolution [px]		1280 x 960			
Lens type		Telephoto lens			
Max. reading rate [Hz]		40			
Software / programming					
Parameter setting options		via PC with ifm Vision Assistant			
Interfaces					
Communication interface		Ethernet			
Ethernet					
Number of Ethernet interfaces		1			
Transmission standard		10Base-T; 100Base-TX			
Transmission rate		10 MBit/s; 100 MBit/s			
Protocol		TCP/IP; PROFINET			
Factory settings		IP address: 192.168.0.69			
		subnet mask: 255.255.255.0 (Class C)			
		gateway IP address: 192.168.0.201			
		MAC address: see type label			
Usage type		parameter setting; data transmission			



Object recognition sensor

O2DIRDKG/E1/E4/EF/GM/T/10/5A

Operating conditions		
Ambient temperature	[°C]	-10...50
Storage temperature	[°C]	-40...70
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	4000
Protection		IP 65
Pollution degree		2

Tests / approvals		
EMC	EN IEC 61000-6-4 radiation of interference	industrial environments
	EN IEC 61000-6-2 immunity	industrial environments
Shock resistance	EN 60068-2-27	50 g 11 ms / not repetitive
	EN 60068-2-27	40 g 6 ms / repetitive
Vibration resistance	EN 60068-2-6	2 g (10 ... 150 Hz)
Photobiological safety		exempt group; (EN 62471)
Electrical protection	EN IEC 61010-2-201	electrical supply only via PELV circuits

Mechanical data		
Weight	[g]	695.5
Dimensions	[mm]	45 x 45 x 86
Materials		housing: diecast zinc powder-coated; front pane: Gorillaglas; LED window: PC; pushbutton: POM
Sealing material		FKM

Displays / operating elements		
Display	function	2 x LED, green
	function	2 x LED, yellow
	Multi-function button	2 x LED, green/yellow
Operating elements	1	Multi-function button

Аксессуары		
Accessories (optional)		монтажне приладдя
		захисні панелі

Remarks		
Pack quantity		1 pcs.

Electrical connection - Ethernet

Connector: 1 x M12; coding: D; Moulded body: stainless steel; Sealing: FKM



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

O2D554

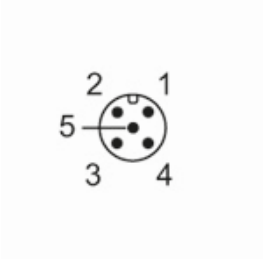


Object recognition sensor

O2DIRDKG/E1/E4/EF/GM/T/10/5A

Electrical connection - supply

Connector: 1 x M12; coding: A; Moulded body: stainless steel



1	U+
2	trigger input
3	0 V
4	switching output 1 configurable
5	switching output 2 configurable / trigger output with external illumination