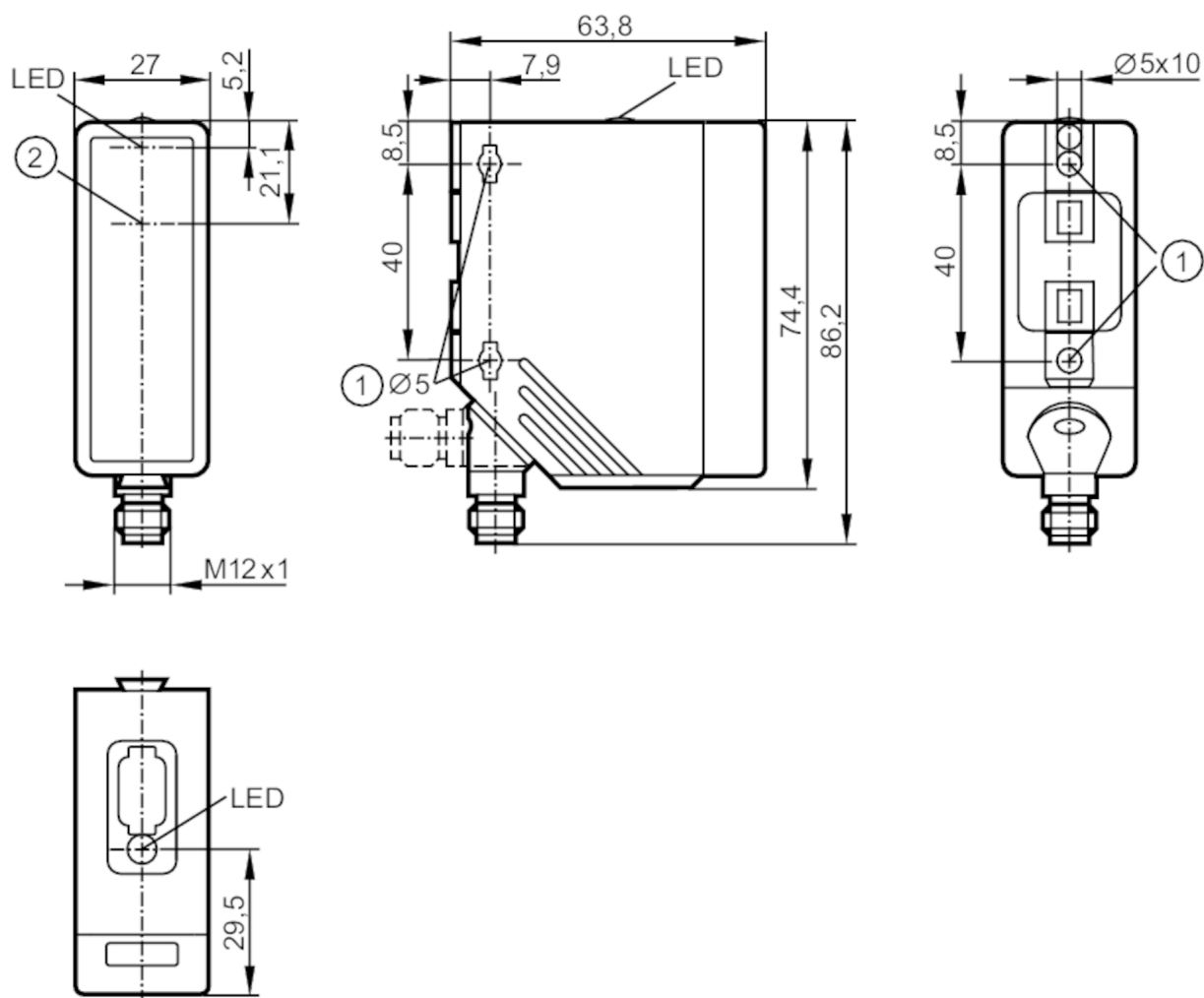


O4E201



Through-beam sensor receiver

O4E-HPKG/US100



- 1 When a M5 mounting screw is used, the max. tightening torque is 2 Nm.
2 Light incidence



Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Through-beam sensor
--------------------	---------------------

Electrical data

Operating voltage	[V]	10...36 DC; ("supply class 2" to cULus)
Current consumption	[mA]	12
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624

Outputs

Electrical design	PNP
-------------------	-----



Through-beam sensor receiver

O4E-HPKG/US100

Output function	light-on mode
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Transmitter / receiver	receiver
Range [m]	0...50
Range adjustable	no

Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2
MTTF [years]	1073

Mechanical data

Weight [g]	117.5
Housing	rectangular
Dimensions [mm]	74.4 x 27 x 63.8
Materials	housing: PA; bezel: stainless steel; LED window: PC
Lens material	PMMA
Lens alignment	side lens

Displays / operating elements

Display	switching status	2 x LED, yellow
---------	------------------	-----------------

Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Through-beam sensor receiver

O4E-HPKG/US100

Connection



Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor