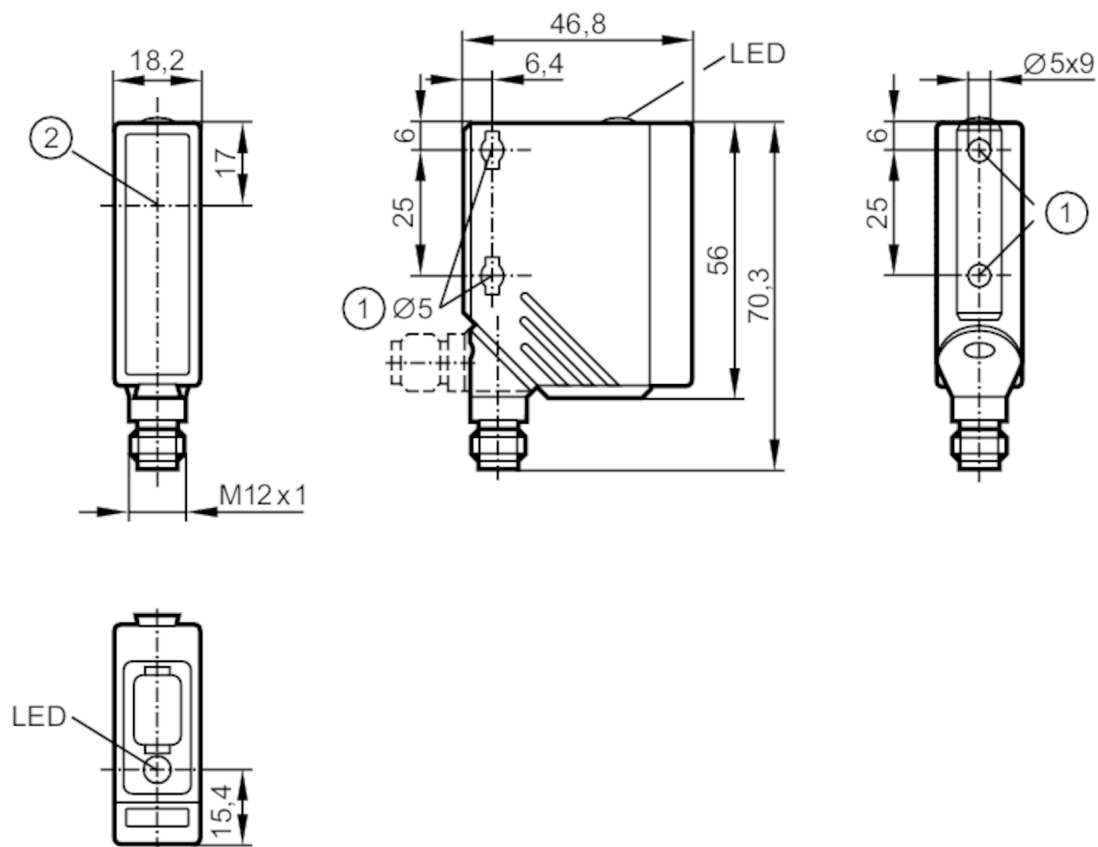


O5S500



Through-beam sensor transmitter

O5S-00KG/US100



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



Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Through-beam sensor
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Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	20
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624

Monitoring range

Transmitter / receiver		transmitter
Range	[m]	< 25
Range adjustable		no
Max. light spot diameter	[mm]	625
Light spot dimensions refer to		at maximum range

O5S500



Through-beam sensor transmitter

O5S-00KG/US100

Operating conditions

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	617

Mechanical data

Weight	[g]	65.5
Housing		rectangular
Dimensions	[mm]	56 x 18.2 x 46.8
Material		housing: PA; Front framework: stainless steel; operator interface: TPU (urethane)
Lens material		PMMA
Lens alignment		Side sensing

Displays / operating elements

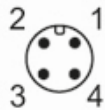
Display	Power	1 x LED, green
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Remarks

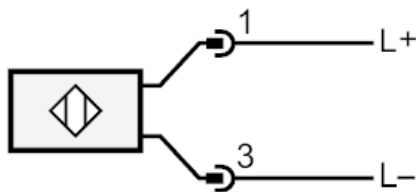
Remarks		cULus - Class 2 source required
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection



O5S500



Through-beam sensor transmitter

O5S-OOKG/US100

Diagrams and graphs

excess gain graph

