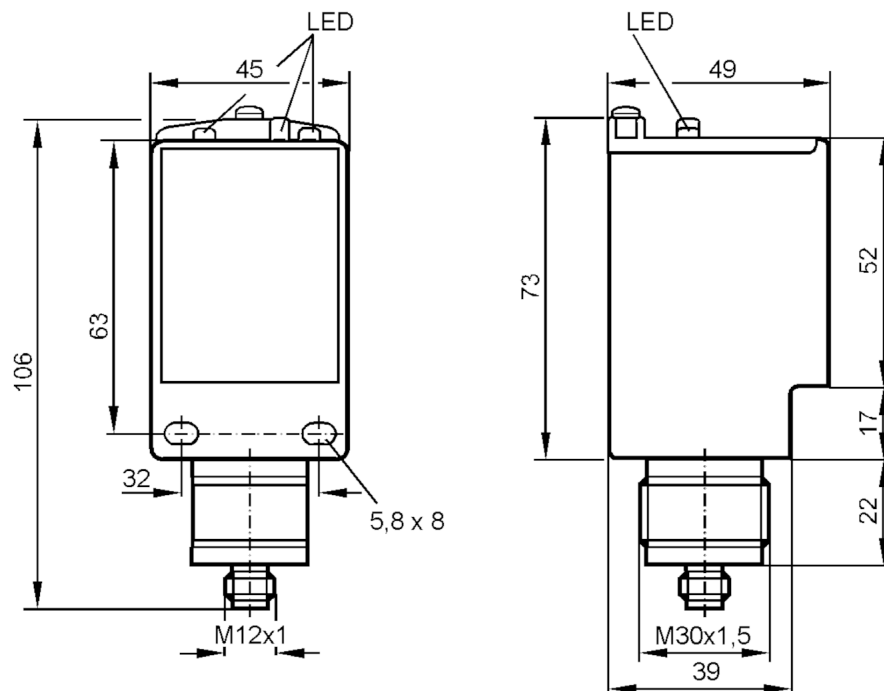




Through-beam sensor receiver

OME-FCKG/US-100



receiver in lower lens
transmitter in upper lens



Product characteristics

Housing rectangular

Application

Function principle Through-beam sensor

Electrical data

Operating voltage [V] 10...30 DC

Current consumption [mA] < 80

Protection class II

Reverse polarity protection yes

Outputs

Electrical design PNP/NPN

Output function light-on/dark-on mode; (programmable)

Max. voltage drop switching output DC [V] 2

Max. voltage drop of function check output [V] 2

Max. current load for function check output [mA] 100

Permanent current rating of switching output DC [mA] 100

Switching frequency DC [Hz] 500

Short-circuit protection yes

Type of short-circuit protection pulsed



Through-beam sensor receiver

OME-FCKG/US-100

Overload protection	yes
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Detection zone

Transmitter / receiver	receiver
Range [m]	< 50
Range adjustable	yes

Response times

Response time [s]	< 1
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Operating conditions

Ambient temperature [°C]	-25...40
Protection	IP 67

Tests / approvals

EMC	IEC 1000-4-2/3/4/5/6
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Mechanical data

Weight [g]	181.2
Housing	rectangular
Dimensions [mm]	73 x 45 x 49
Materials	ABS glass fibre reinforced
Lens material	PMMA
Lens alignment	side lens

Displays / operating elements

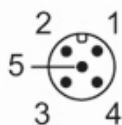
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	function	1 x LED, red

Remarks

Pack quantity	1 pcs.
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Electrical connection

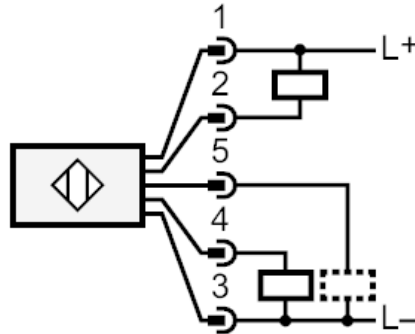
Connector: 1 x M12; coding: A; Locking: aluminium, uncoloured anodised



Through-beam sensor receiver

OME-FCKG/US-100

Connection



5

Function check output