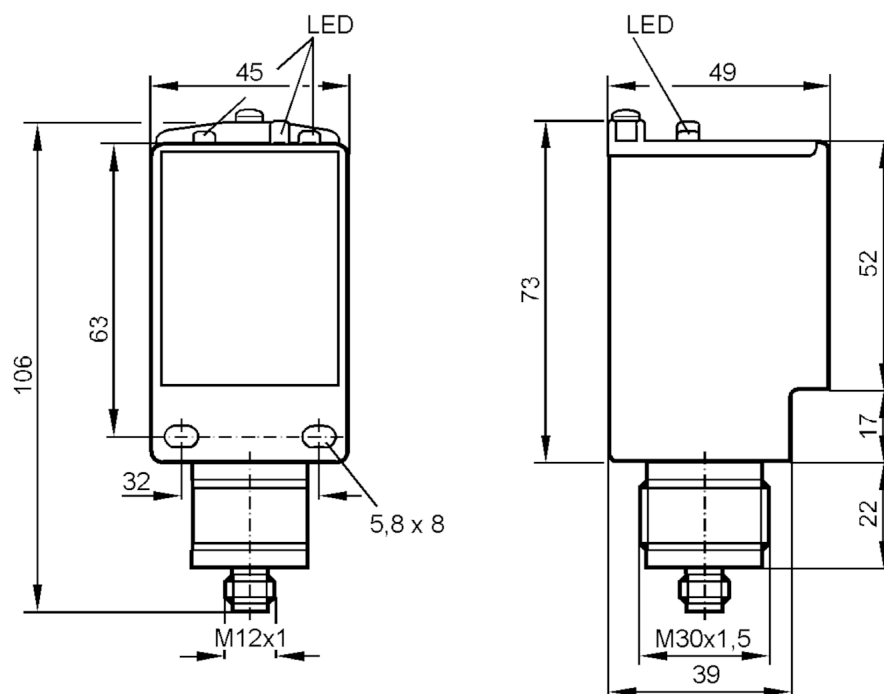




Through-beam sensor receiver

OME-FCKG/US-100



receiver in lower lens
transmitter in upper lens



Product characteristics

Housing	rectangular
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Application

Function principle	Through-beam sensor
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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



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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

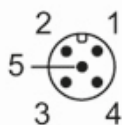
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	function	1 x LED, red

Remarks

Pack quantity	1 pcs.
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Electrical connection

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

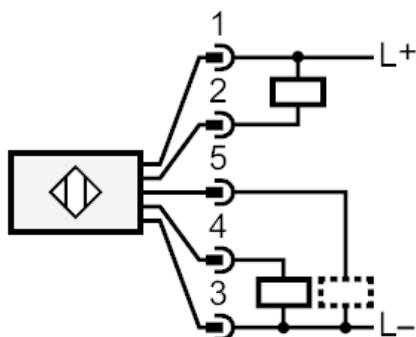




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Connection



5

Function check output