

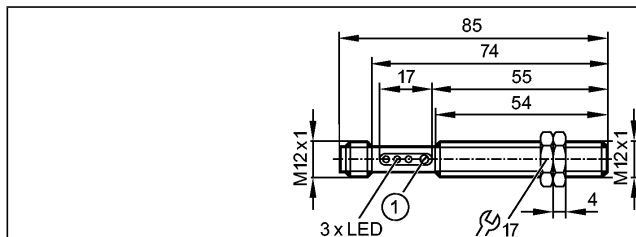
Photoelectric sensors

OF5025

OFP-FPKG/US
Retro-reflective sensor
Threaded type M12 x 1
Connector

Polarisation filter
Function check output

Sensing range 0.2...0.8m
(Prismatic reflector Ø 80 (E20005))
adjustable



1: with pot.



Made in Germany

Electrical design

Output

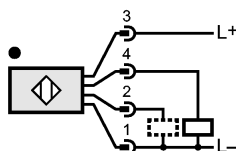
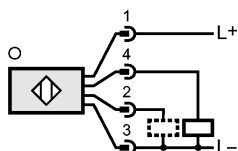
Range referred to prismatic reflector	[m]
Light spot diameter	[mm]
Operating voltage	[V]
Current rating	
Switching output	[mA]
Function check output	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Voltage drop	
Switching output	[V]
Function check output	[V]
Current consumption	[mA]
Switching frequency	[Hz]
Type of light	
Ambient temperature	[°C]
Protection	
EMC	
MTTF	[Years]
Housing materials	
Lens material	
Function display	
Switching status	LED
Operation	LED
Function	LED
Connection	
Weight	[kg]
Accessories (included)	

DC PNP

light-on / dark-on programmable

Ø 80	0.2...0.8
Ø 35	0.2...0.5
Ø 20	-
	70 (at maximum range)
	10...36 DC
	200
	10
	pulsed
	yes
	yes
	< 2.5
	< 3.5
	< 35
	400
	red light 660 nm
	-25...60
	IP 65, II
	EN 60947-5-2
	EN 55011: class B
	615
	brass Optalloy-plated
	PMMA
	yellow
	green
	red
	M12 connector
	0.047
	2 lock nuts, screwdriver

Wiring



2: function check

OF5025

Excess gain graphs

