



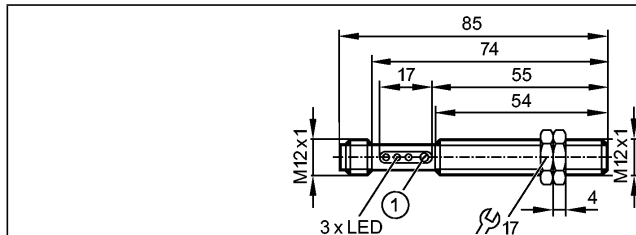
Photoelectric sensors

OF5016

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

Function check output

Sensing range 0.05...2m
(Prismatic reflector Ø 80 (E20005))
adjustable



1: with pot.



Made in Germany

Electrical design

Output

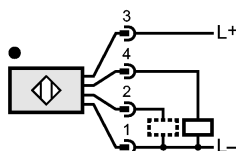
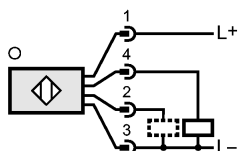
Range referred to prismatic reflector	[m]
Light spot diameter	[mm]
Operating voltage	[V]
Current rating	
Switching output	[mA]
Function check output	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Voltage drop	
Switching output	[V]
Function check output	[V]
Current consumption	[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	0.05...2
Ø 35	0.05...1.5
Ø 20	0.05...1.2
140 (at maximum range)	
10...36 DC	
200	
10	
pulsed	
yes	
yes	
< 2.5	
< 3.5	
< 35	
400	
Infrared light 880 nm	
-25...60	
IP 65, II	
EN 60947-5-2	
607	
brass nickel-plated	
PMMA	
yellow	
green	
red	
M12 connector	
0.047	
2 lock nuts, screwdriver	

Wiring



2: function check

OF5016

Excess gain graphs

