efector200

ifm electronic

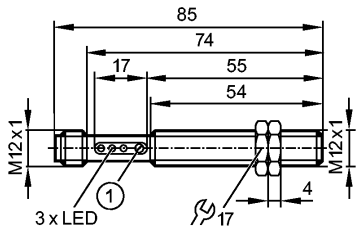
Photoelectric sensors

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		DC PNP
Output		light-on / dark-on programmable
Range referred to prismatic reflector	[m]	Ø 80 0.05...2 Ø 35 0.05...1.5 Ø 20 0.05...1.2
Light spot diameter	[mm]	140 (at maximum range)
Operating voltage	[V]	10...36 DC
Current rating		
Switching output	[mA]	200
Function check output	[mA]	10
Short-circuit protection		pulsed
Reverse polarity protection		yes
Overload protection		yes
Voltage drop		
Switching output	[V]	< 2.5
Function check output	[V]	< 3.5
Current consumption	[mA]	< 35
Switching frequency	[Hz]	400
Type of light		Infrared light 880 nm
Ambient temperature	[°C]	-25...60
Protection		IP 65, II
EMC		EN 60947-5-2
MTTF	[Years]	607
Housing materials		brass nickel-plated
Lens material		PMMA
Function display		
Switching status	LED	yellow
Operation	LED	green
Function	LED	red
Connection		M12 connector
Weight	[kg]	0.047
Accessories (included)		2 lock nuts, screwdriver

Wiring





2: function check

OF5016

Excess gain graphs

