efector200

ifm electronic

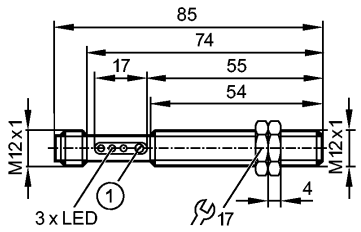
Photoelectric sensors

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



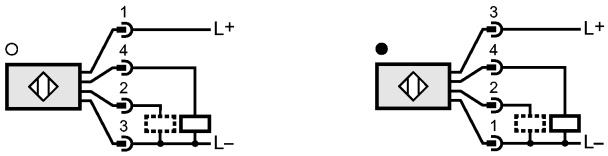
1: with pot.

Made in Germany

Electrical design	DC PNP
Output	light-on / dark-on programmable
Range referred to prismatic reflector [m]	Ø 80 0.2...0.8 Ø 35 0.2...0.5 Ø 20 -
Light spot diameter [mm]	70 (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	red light 660 nm
Ambient temperature [°C]	-25...60
Protection	IP 65, II
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	615
Housing materials	brass Optalloy-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

OF5025

Excess gain graphs

