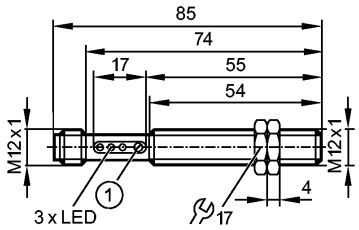
efector200

OF5027

OFB-FPKG/US-100

Photoelectric sensors



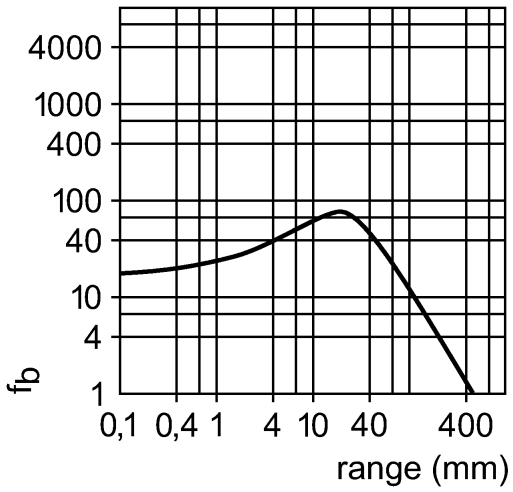
1: potentiometer

Made in Germany

Product characteristics		
Diffuse reflection sensor		
Threaded type		
M12 x 1		
Connector		
Function check output		
Highly focussed beam		
Range 1...400mm (referred to white paper 200 x 200 mm)		
adjustable		
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 35
Type of light		Infrared light 880 nm
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		light-on / dark-on programmable
Voltage drop		
- Switching output	[V]	< 2.5
- Function check output	[V]	< 3.5
Current rating		
- Switching output	[mA]	200
- Function check output	[mA]	10
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency	[Hz]	320
Range		
Range	[mm]	1...400 (referred to white paper 200 x 200 mm)
Light spot diameter	[mm]	185 (at maximum range)
Excess gain graphs		

OF5027

OFB-FPKG/US-100



Environment		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	607
Mechanical data		
Housing materials		Brass Optalloy-plated
Lens material		PMMA
Weight	[kg]	0.047
Displays / operating elements		
Output status indication	LED	yellow
Operation	LED	green
Function display	LED	Red
Electrical connection		
Connection		M12 connector

Wiring





2: function check

Accessories		
Accessories (included)		2 lock nuts; screwdriver
Remarks		
Pack quantity	[piece]	1