

Product characteristics

Fiber-optic amplifier	
Rectangular, plastics	
Quick disconnect	
Sensing range 0...120mm (Through-beam sensor)	
Range 0...40mm (Diffuse reflection sensor)	
adjustable	

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	35 (24 V)
Type of light	Infrared light 880 nm
Protection class	III
Reverse polarity protection	yes

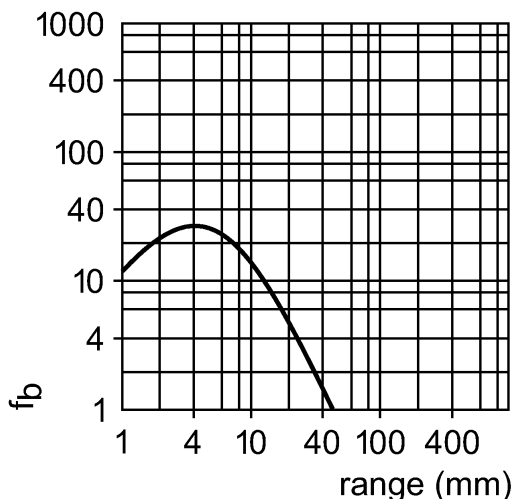
Outputs

Output function	light-on mode
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	100

Monitoring range

Sensing range [m]	0...0.12 (Through-beam sensor)
Range [mm]	0...40 (Diffuse reflection sensor)

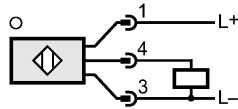
Excess gain graphs



OU5043 - Fiber-optic amplifier - eclass: 27270905 / 27-27-09-05

Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	653
Mechanical data		
Housing materials		modified PPO
Lens material		glass
Weight	[kg]	0.075
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		M12 connector

Wiring



Accessories		
Accessories (included)		Angle bracket; E20211; screwdriver
Remarks		
Remarks		When through-beam fibre optics are connected light-on mode means the output function "NC" and when diffuse reflection fibre optics are connected the output function "NO".
Pack quantity	[piece]	1