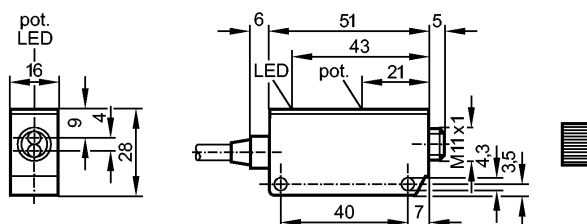


**Discontinued article**



Made in Germany

**Product characteristics**

Fibre-optic amplifier

Rectangular, plastics

Cable

Sensing range 120mm (Through-beam sensor)

Range 40mm (Diffuse reflection sensor)

adjustable

**Electrical data**

Electrical design	DC NPN
Operating voltage [V]	10...55 DC
Current consumption [mA]	< 35 (24 V)
Type of light	Infrared light 880 nm
Protection class	II
Reverse polarity protection	yes

**Outputs**

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

**Range**

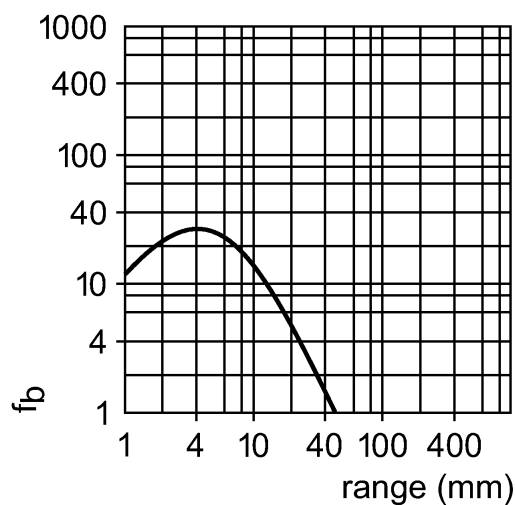
Sensing range [m]	0.12 (Through-beam sensor)
Range [mm]	40 (Diffuse reflection sensor)

Excess gain graphs

**OU5003**

OUF-HNKG

Photoelectric sensors


**Environment**

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
Weight	[kg]	0.151

**Displays / operating elements**

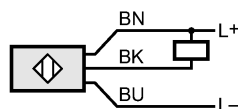
Output status indication	LED	yellow
--------------------------	-----	--------

**Electrical connection**

Connection		PVC cable / 2 m; 3 x 0.34 mm²
------------	--	-------------------------------

**Wiring**

Core colours  
 BN brown  
 BU blue  
 BK black


**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
---------------	---------	---