

Receiver in upper lens, transmitter in lower lens

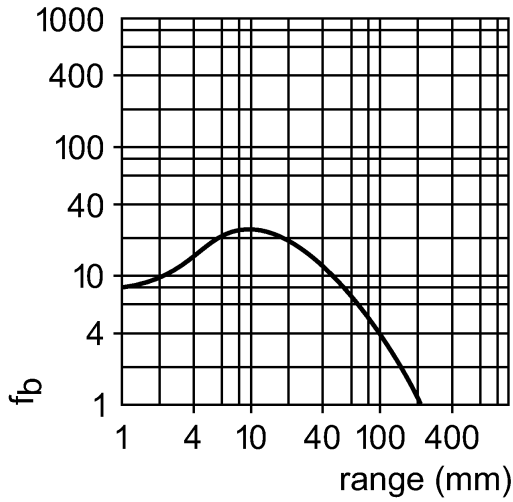


Product characteristics
Diffuse reflection sensor
Rectangular, plastics
Quick disconnect
Range 1...200mm (referred to white paper 200 x 200 mm)
adjustable

Electrical data		
Electrical design		DC PNP
Operating voltage [V]		10...55 DC
Current consumption [mA]		35 (24 V)
Type of light		Infrared light 880 nm
Protection class		III
Reverse polarity protection		yes
Outputs		
Output function		dark-on mode
Voltage drop [V]		< 2.5
Current rating [mA]		250
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency [Hz]		160
Monitoring range		
Range [mm]		1...200 (referred to white paper 200 x 200 mm)
Light spot diameter [mm]		180 (at maximum range)

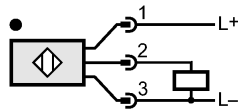
Excess gain graphs

OU5035 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03



Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	685
Mechanical data	
Housing materials	modified PPO
Lens material	glass
Weight [kg]	0.074
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	M12 connector

Wiring



Accessories	
Accessories (included)	Angle bracket; E20211
Remarks	
Pack quantity [piece]	1