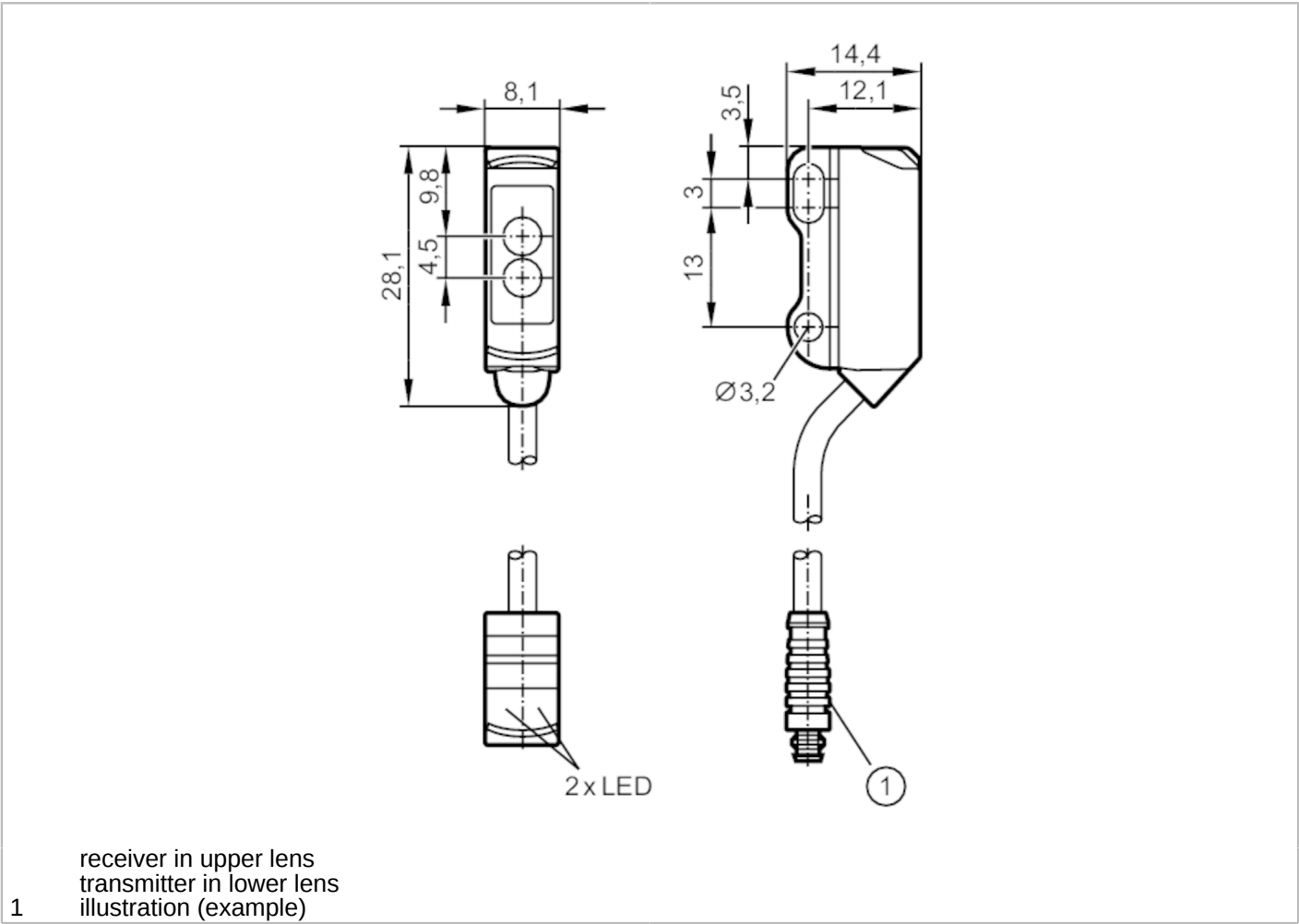




Retro-reflective sensor

O8P-DPKG/IO-Link/0,30M/AS/3P



Application	
Function principle	Retro-reflective sensor
Electrical data	
Operating voltage [V]	10...30 DC
Current consumption [mA]	20; ((24 V))
Protection class	III
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	633



Retro-reflective sensor

O8P-DPKG/IO-Link/0,30M/AS/3P

Outputs		
Electrical design	PNP	
Output function	dark-on mode	
Max. voltage drop switching output DC [V]	2.5	
Permanent current rating of switching output DC [mA]	100	
Switching frequency DC [Hz]	1000	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Detection zone		
Range referred to prismatic reflector [m]	0.02...1.8; (Prismatic reflector Ø 30 E20004)	
Range adjustable	yes	
Max. light spot diameter [mm]	120	
Light spot dimensions refer to	at maximum range	
Polarisation filter available	yes	
Interfaces		
Communication interface	IO-Link	
Transmission type	COM2 (38.4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
IO-Link device ID	786 d / 00 03 12 h	
Profiles	Smart Sensor: Device Identification; Device Diagnosis; Teach Channel; Binary Data Channel	
SIO mode	yes	
Required master port type	A	
Operating conditions		
Ambient temperature [°C]	-25...60	
Protection	IP 65; IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	1067	
Mechanical data		
Weight [g]	21.1	
Housing	rectangular	
Dimensions [mm]	28.1 x 8.1 x 14.4	
Materials	housing: ABS; stainless steel (1.4404 / 316L)	
Lens material	PMMA	
Lens alignment	side lens	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green

O8P202



Retro-reflective sensor

O8P-DPKG/IO-Link/0,30M/AS/3P

Remarks

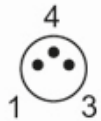
Pack quantity

1 pcs.

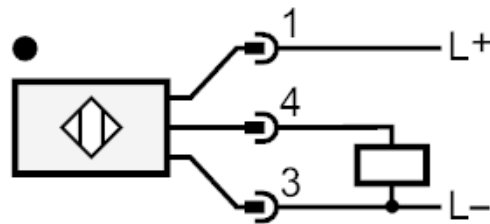
Electrical connection

Cable: 0.3 m, PVC, black, Ø 2.9 mm; 3 x 0.08 mm²

Connector: 1 x M8



Connection



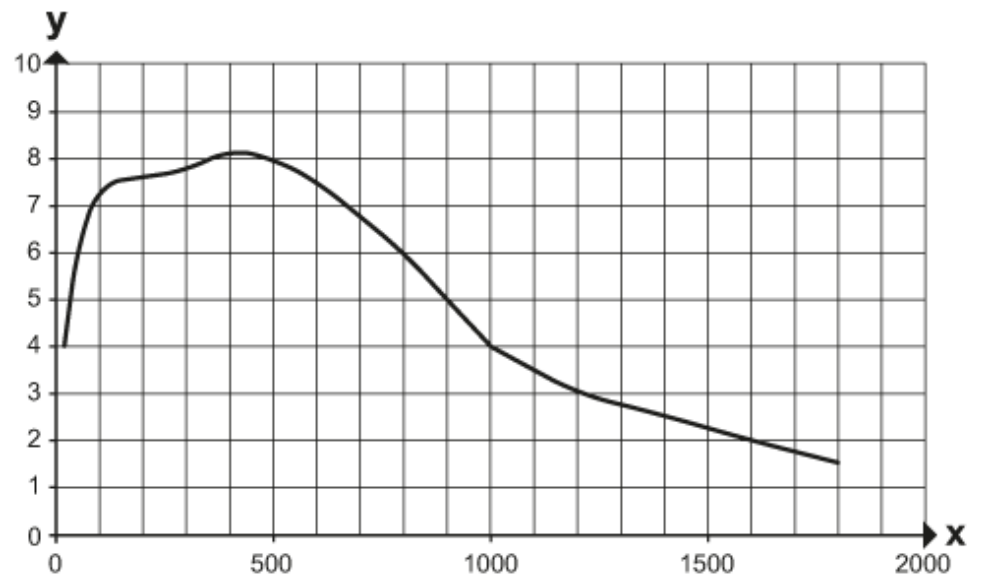


Retro-reflective sensor

O8P-DPKG/IO-Link/0,30M/AS/3P

Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor