

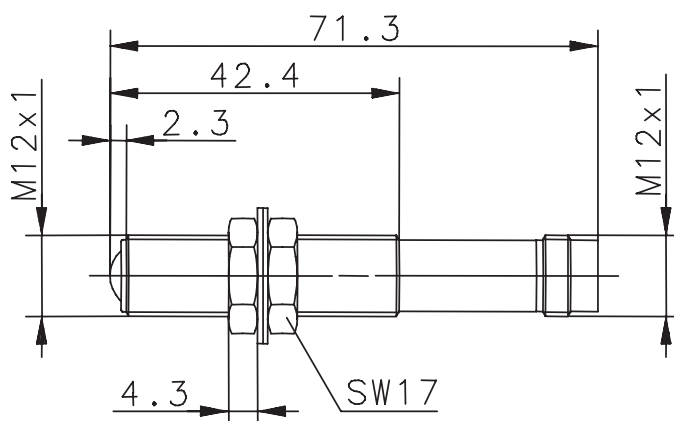
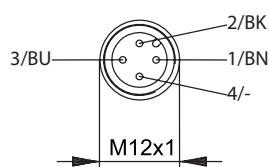
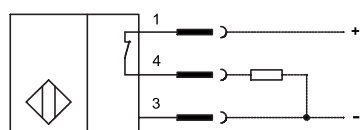
Photoelectric Sensors

Series OT12

Description **OT12EE-DDTP-06.0-S**

Article number **6551729001**

Wiring Diagram



Identifying characteristics in accordance with EN 60947-5-2

Electrical data		
Sensing range	S_d	EE 6 m = Target white 100 mm x 100 mm
Switching element function		PNP - dark activation, permanent overload protection
Repeat accuracy	R	10 %
Differential travel (hysteresis)	H	10-20 %
Rated operational voltage	U_e	12-24 V DC
Operational voltage range	U_B	10-36 V DC
Rated insulation voltage	U_i	75 V DC
Rated impulse withstand voltage	U_{imp}	500 V
Voltage drop	U_d	< 1,8 V
Utilization category		DC-13
Rated operational current	I_e	50 mA
Minimum operational current	I_m	1 mA
Off-state current	I_r	≤ 0,1 mA
No-load supply current	I_o	≤ 12 mA
Max. rated output current		200 mA
Ambient light proof		5 kLux
Short-circuit protection		pulsed
Frequency of operating cycles	f	> 100 Hz
False polarity protection		yes
Time delay before availability	t_v	< 15 ms
Turn on time	t_{on}	≤ 5 ms

Mechanical Data	
Enclosure	PA 6, red
End cap	PA 6.6, black
Beam-output	PA 12
Ambient air temperature	-20 °C ... +70 °C
Type of protection	IP67
Pollution degree	3 (Pollution of the optic can cause impairments of the operating distances.)
Indication	LED yellow
Termination type	Plug connector M12x1
For attachment	Hexagon nut; brass, nickel plated (with toothed washers A2)

EU Conformity	
acc. to directive 2014/30/EU (EMC-Directive)	