## **Reflex Sensor**



Part Number

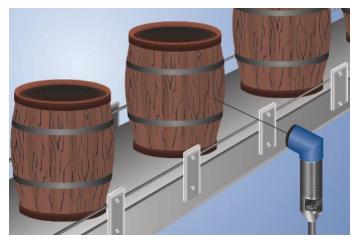


- Adjustable detection range
- Large detection range
- Stainless steel housing

## **Technical Data**

Optical Data	
Range	1000 mm
Switching Hysteresis	< 15 %
Light Source	Infrared Light
Wavelength	880 nm
Service Life (T = +25 °C)	100000 h
Max. Ambient Light	10000 Lux
Opening Angle	12 °
Electrical Data	
Supply Voltage	1030 V
Current Consumption (Ub = 24 V)	< 40 mA
Switching Frequency	250 Hz
Response Time	2 ms
Temperature Drift	< 10 %
Temperature Range	-2560 °C
Switching Output Voltage Drop	< 2,5 V
PNP Switching Output/Switching Current	200 mA
Residual Current Switching Output	< 50 µA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Protection Class	III
Mechanical Data	
Setting Method	Potentiometer
Housing Material	Stainless Steel
Full Encapsulation	yes
Degree of Protection	IP67
Connection	M12 × 1; 4-pin
PNP NO/NC antivalent	
Connection Diagram No.	101
Control Panel No.	D6
Control Panel No. Suitable Connection Equipment No.	D6 2

The transmitter and receiver in these sensors are located in a single housing. The sensor evaluates transmitted light reflected back from the object. The output is switched as soon as an object passes the selected range. Bright objects reflect more light than dark objects, and can thus be recognized from greater distances.



Complementary Products PNP-NPN Converter BG2V1P-N-2M

## **Photoelectronic Sensors**



Ground for the Synchronization

Grounding Switching Distance Reduction

Interfaces-Bus A(+)/B(–) Emitted Light disengageable

Receiver-Line

Emitter-Line

Rx+/- Ethernet Receive Path

Magnet activation

Contactor Monitoring

Input confirmation

Tx+/- Ethernet Send Path

BK Black

Brown Red

Orange

Yellov

Green

Blue

Violet

Grev

PK Pink GNYE Green/Yellow

ΒN

RD

OG

GN

BU

VT

GY

WΗ White

YE

SY-

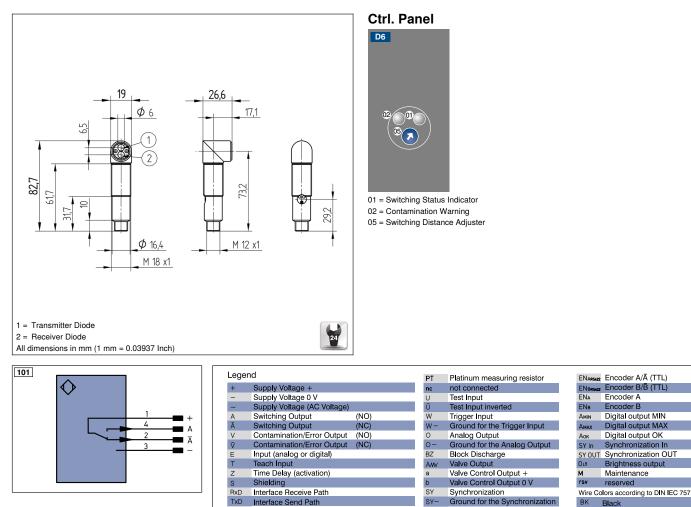
E+

SnR

La

Mag RES

EDM



Ready

IO-Link

OSSD Safety Output

Signal Signal Output

PoF Power over Ethernet

Safety Input

Output/Input programm

BLD+/- Ethernet Gigabit bidirect. data line (A-D) ENorsez Encoder 0-pulse 0-0 (TTL)

GND Ground CL Clock

RDY

E/A

0

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