

OYSI0222

Optical sensors • Through-beam sensors transmitters

Optical sensor, light barrier, 11x5x43 mm, Sn: 0.05 m, connection to amplifier, 8-pin cable, 1 m, IP67, anodized aluminum, infrared light



Optoelectronics frame light barriers and ring sensors operate on the principle of a through-beam light barrier. The housing contains a large number of transmitters and receivers that form a light curtain, enabling them to detect and sense a wide variety of objects. Application examples for these systems include ejection monitoring on presses, presence detection, and length measurement of wires or tubes.

Electrical features

Type of switching function	externer Verstärker
Type of electrical connection	Cable
Number of pins	8
Switching distance	0 - 50 mm

Mechanical features

Number of cores	8
Design	Cuboid
Width	43 mm
Height	11 mm
Cable length	1 m
Storage temperature	-20 - 85 °C
Length	5 mm
Surface	teflon coated
Degree of protection (IP)	IP67
Housing material	Aluminum
Ambient temperature	-20 - 60 °C
Line diameter	3 mm

Optical features

Light source	Infrared light
Light beam form	Line
Wavelength of the sensor	880 nm

Other features

Version	Light barrier
---------	---------------

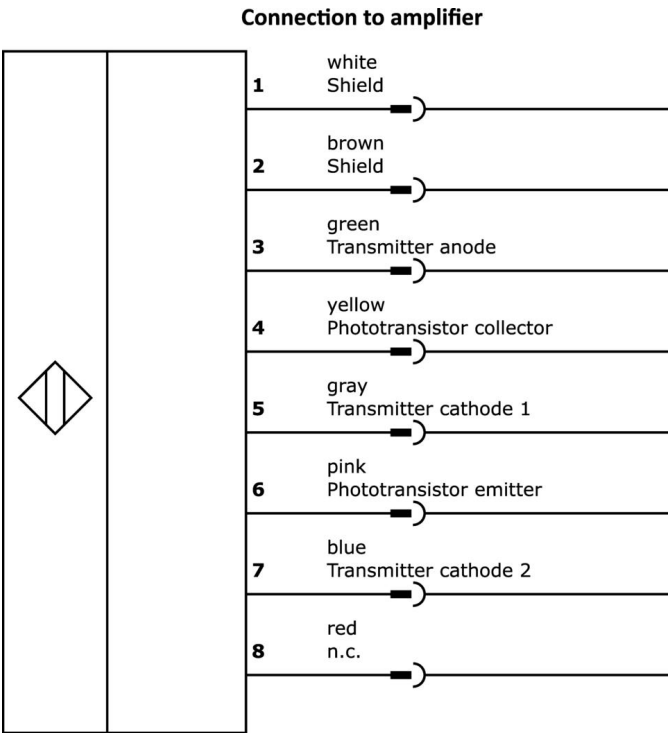
Classification

ETIM 8

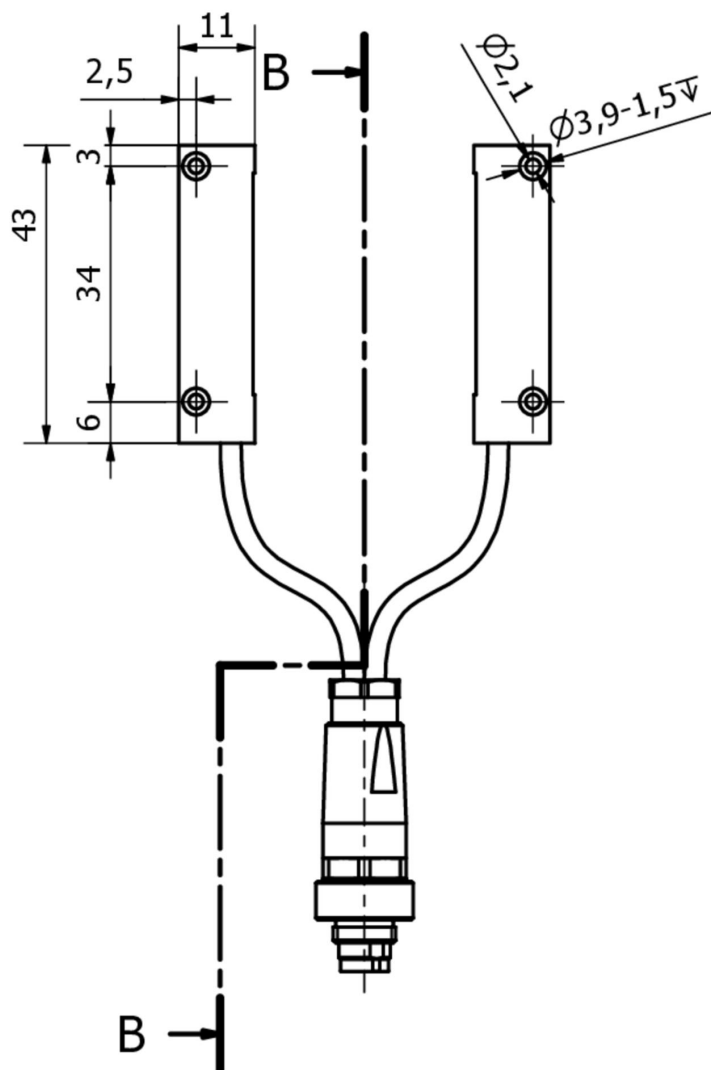
More

IPF Product Group	705 special devices (SI)
packaging dimensions	123 x 77 x 25 mm
gross weight	70 g
Customs tariff number	85365019
WEEE number	40951076
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

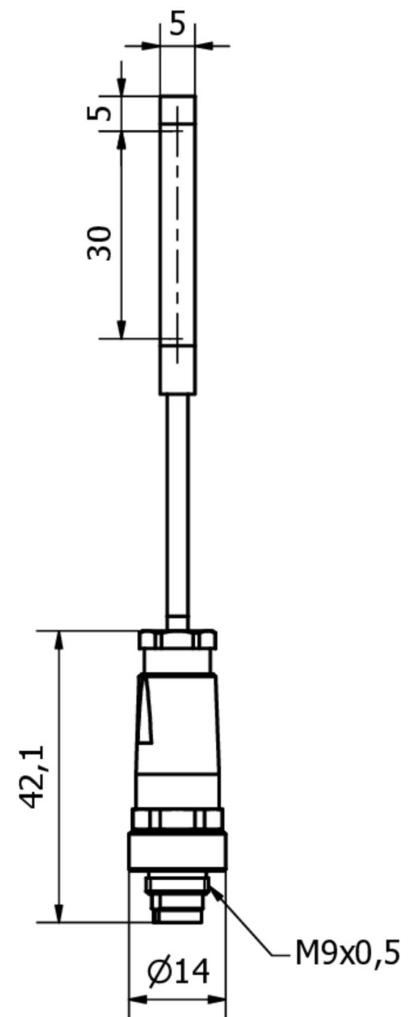
Connection



Dimensional drawing



B-B (1 : 1)



Extract accessories program

AY000141



Plastic sheath, Ø17mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

You can find further accessories on our homepage



Installation

Mounting / installation may only be carried out by a qualified electrician!



Disposal

WEEE number according to § 6 para. 3
ElektroG: 40951076

Safety warnings

- / Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- / Never use these devices in applications where the safety of a person depends on their functionality.