

OHSI0117

Optical sensors • Frame light barriers

sensor optical, frame 20x10, 36x5x21mm, resolution 0.2mm, 12-32V DC, Anschluss an Verstärker, Cable with connector PUR (Polyurethane), IP67, Aluminum



Frame and ring light barriers operate according to the principle of a through-beam sensor. Within the housing there is a variety of transmitter and receiver elements that form a light curtain and thus detect various objects. Application examples for these systems are ejection control of presses, presence monitoring or length measurements of wires or tubes.

Electrical features

Type of electrical connection	Cable connector
Setting procedure	Parameterization
Short-circuit protection	Yes
Reverse polarity protection	Yes
Operating voltage (DC)	12 - 32 V
Connection to amplifier	Yes
Output functions	Switching point

Mechanical features

Number of cores	4
Design	Cuboid
Width	21 mm
Active zone width	20 mm
Height	36 mm
Active zone height	10 mm
Length	5 mm
Frame opening, lengthwise	13 mm
Frame opening, crosswise	20 mm
Degree of protection (IP)	IP67
Housing material	Aluminum
Material of cable sheath	Plastic (PUR)
Ambient temperature	-20 - 60 °C

Optical features

Resolution, dynamic	0.2 mm
Resolution, static	0.2 mm
Light source	Infrared light
Min. object size	0.2 mm
Wavelength of the sensor	880 nm

Classification

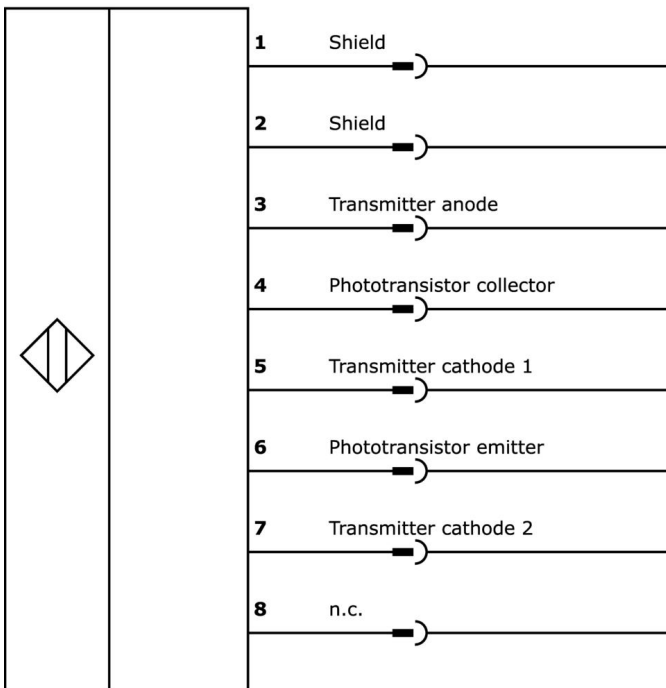
ETIM 8	EC002721 Frame light barrier
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More

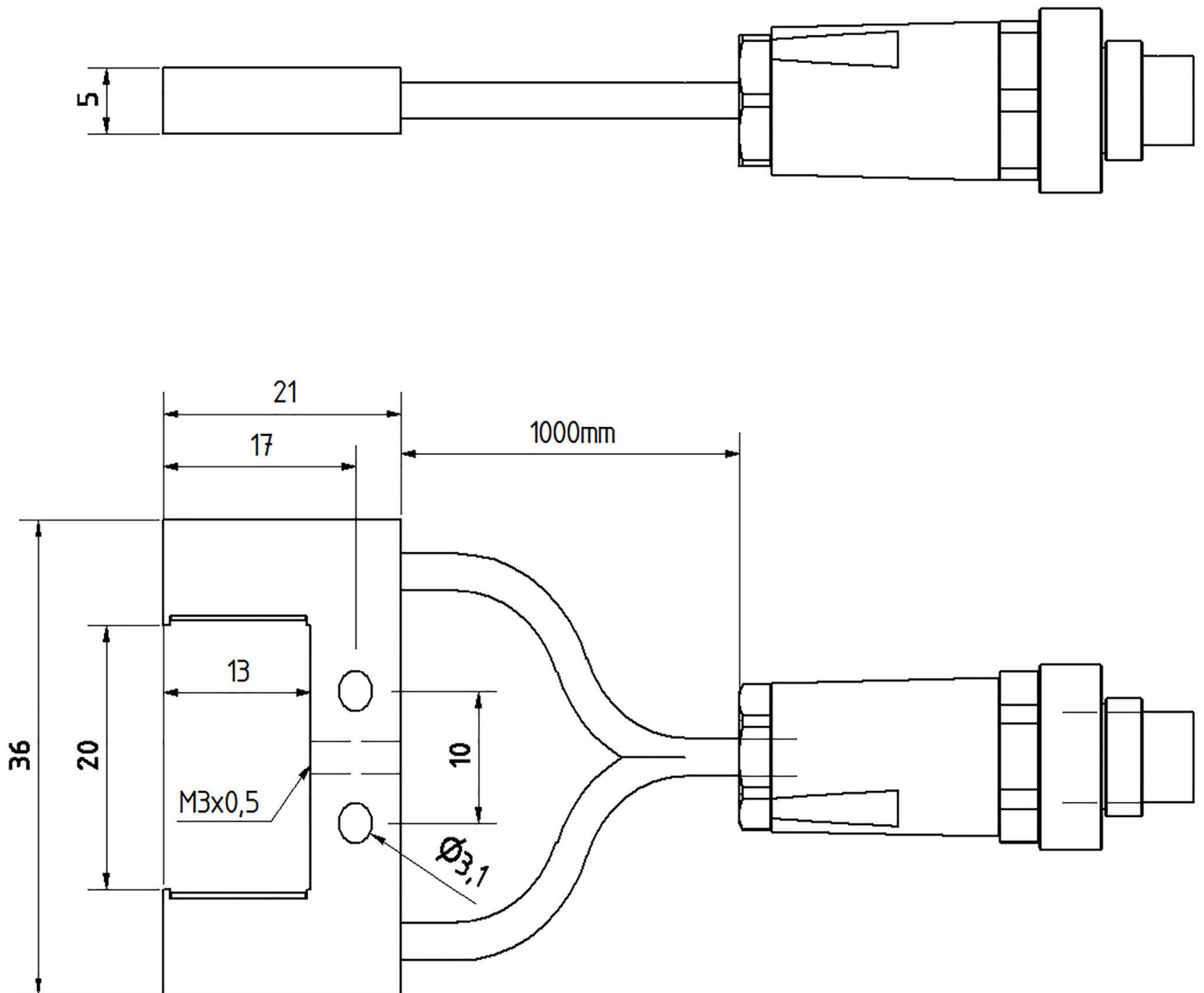
IPF Product Group	705 special devices (SI)
packaging dimensions	123 x 77 x 25 mm
gross weight	50 g
Customs tariff number	85365019
WEEE number	40951076
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

Connection to amplifier



Dimensional drawing



Extract accessories program

OVSIO118



amplifier optical, 24x70x36mm,
12-32V DC, PNP NO (NO), 4pin,
IP64, Aluminum

[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.