

OY98C940

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The multi-function light barriers are through-beam sensors where multiple beams are integrated. In case of interruption of only one beam, the switching output of the receiver changes its state. The devices are used where standard through-beam sensors with only one beam are not sufficient. There are devices with beam spacing of 20, 40, 60 or 120mm and different heights available. An integrated fuzzy logic controls the transmitting power automatically.

MECHANICAL DATA

Ambient temperature	-25 °C ... 55 °C
Cable length	4 m
Cover material	Plastic
Degree of protection (IP)	IP54
Housing material	Aluminium
Material of optical surface	Plastic
Protected field height	195 mm
Sensor height	230 mm
Sensor length	58 mm
Sensor width	12 mm

ELECTRICAL DATA

Cascadable	No
Clock control possible	No
Connection to amplifier	Yes
Equipment protection class	Protection class 3
Override possible	No
Suitable for safety functions	No
Suppression possible	No
Type of analog output	Other
Type of electrical connection	Connector M8
Type of switching function	Normally open/normally closed
Type of switching output	Other
Voltage type	Other
With monitoring function of downstream devices	No
With muting function	No
With restart lock	No

OPTICAL DATA

Beam spacing	5 mm
Number of beams	40

OPTICAL DATA

Resolution of the light curtain	5 mm
Wavelength of the sensor	880 nm

OTHER DATA

Explosion protection category for dust	None
Explosion protection category for gas	None
Reduced resolution	No
Scope of delivery of the one-way system	Transmitter and receiver
With beam coding	Yes

DIMENSIONAL DRAWING**INSTALLATION**

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

DISPOSAL**SAFETY WARNINGS**

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!