

OY300100

SAFETY SYSTEMS • LIGHT CURTAINS - HAND PROTECTION

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

Protected field height	120 mm
Sensor length	40 mm
Sensor width	30 mm

ELECTRICAL DATA

Cascadable	No
Clock control possible	No
Equipment protection class	Protection class 3
No-load current, transmitter	300 mA
Number of pins, receiver	5
Number of pins, transmitter	5
Override possible	No
Rated control supply voltage U_s at DC	24 V ... 24 V
Suitable for safety functions	Yes
Suppression possible	No
Switching voltage of OSSD at state "high"	24 V
Voltage type	DC
With LED display (7 segment)	Yes
With monitoring function of downstream devices	No
With muting function	No
With restart lock	No

OPTICAL DATA

Detection capability for samples	30 mm
Hand protection (< 30mm)	Yes
Protected field range	18 m
Resolution of the light curtain	30 mm

OTHER DATA

Explosion protection category for dust	None
Explosion protection category for gas	None

OTHER DATA

Scope of delivery of the one-way system

With beam coding

Transmitter and receiver

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!