OY991440

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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	-20 °C ... 60 °C
Degree of protection (IP)	IP67
Housing coating	Anodised
Housing material	Aluminium
Protected field height	200 mm
Sensor height	226 mm
Sensor length	25 mm
Sensor width	20 mm

ELECTRICAL DATA

Cascadable	No
Clock control possible	No
Equipment protection class	Protection class 3
Max. output current	200 mA
No-load current, receiver	100 mA
No-load current, transmitter	100 mA
Number of pins, receiver	8
Number of pins, transmitter	5
Number of semiconductor outputs with signaling function	2
Override possible	No
Rated control supply voltage Us at DC	12 V ... 32 V
Reaction time	0.5 ms
Reverse polarity protection	Yes
Short-circuit-proof	Yes
Suitable for safety functions	No
Suppression possible	No
Type of electrical connection	Connector M9
Type of switching function	Normally open/normally closed
Type of switching output	PNP/NPN
Voltage type	DC
With monitoring function of downstream devices	No

ELECTRICAL DATA

With muting function	No
With restart lock	No

OPTICAL DATA

Protected field range	0.8 m
Resolution of the light curtain	0.6 mm

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	No

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!

ipf electronic gmbh • Kalver Straße 25 - 27 • 58515 Lüdenscheid - Germany | Tel +49 2351 9365-0 • Fax +49 2351 9365-19 | info@ipf-electronic.com • **www.ipf-electronic.com**