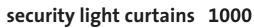
security systems





safety integrity level 3, category 4



Corresponding with the applicable standards (see page 3), these light curtains for securing danger zones are especially suited to situations where finger protection is required for the operator.

Twelve different models are available, with protection field heights of approx. 150 to 1800mm. Each of these models has a resolution of 14mm and a range of up to 6m.

Via the 8-pin M12-connector, it is possible to connect the wiring for the EDM function and the manual / automatic restart.

A new feature is the EDM function with which the function of the signal convertor can be monitored.

For this reason, there is also a new safety relay with an additional break contact, which is available under number **AO000299.** The system can be configured according to the safety requirements.

The 7 segment display attached to both units makes the

product easier to use, as the diagnosis messages are easy to understand via single character, alphanumeric codes. The transmitting and receiving units are optically synchronized. Along with all control switching circuits, all inputs and outputs are located inside the housing. Thanks to the compact dimensions as well as the simple connection and installation systems, the light curtains in this series offer the user optimum protection in all industrial safety applications.

Application examples

Protects fingers in the danger zones of ...

- welding robots
- uncoiling stations
- pallet feeders
- turning machines and rotary jars
- press brakes
- packing and cutting machines

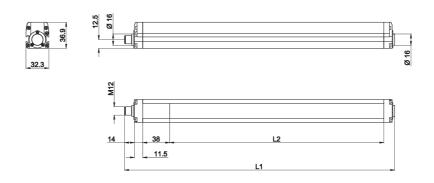
Œ	ipf electronic gmbh	Kalver Straße 25 – 27 58515 Lüdenscheid – Germany	Fon +49 2351 9365-0 Fax +49 2351 9365-19	www.ipf-electronic.com info@ipf-electronic.com	
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1000 security light curtains

article-no.	OY320130	OY320131	OY320132	OY320133	OY320134	OY320135
number of beams	16	32	48	64	80	96
response time	11msec	15msec	18msec	22msec	25msec	29msec
protection field height	150mm	300mm	450mm	600mm	750mm	900mm
overall length L1	233mm	383mm	533mm	683mm	833mm	983mm
optical range L2	153mm	303mm	453mm	603mm	753mm	903mm
article-no.	OY320136	OY320137	OY320138	OY320139	OY32013A	OY32013C
number of beams	112	128	144	160	172	192
response time	33msec	36msec	40msec	43msec	47msec	50msec
protection field height	1050mm	1200mm	1350mm	1500mm	1650mm	1800mm
overall length L1	1133mm	1283mm	1433mm	1583mm	1733mm	1883mm
optical range L2	1053mm	1203mm	1353mm	1503mm	1653mm	1803mm



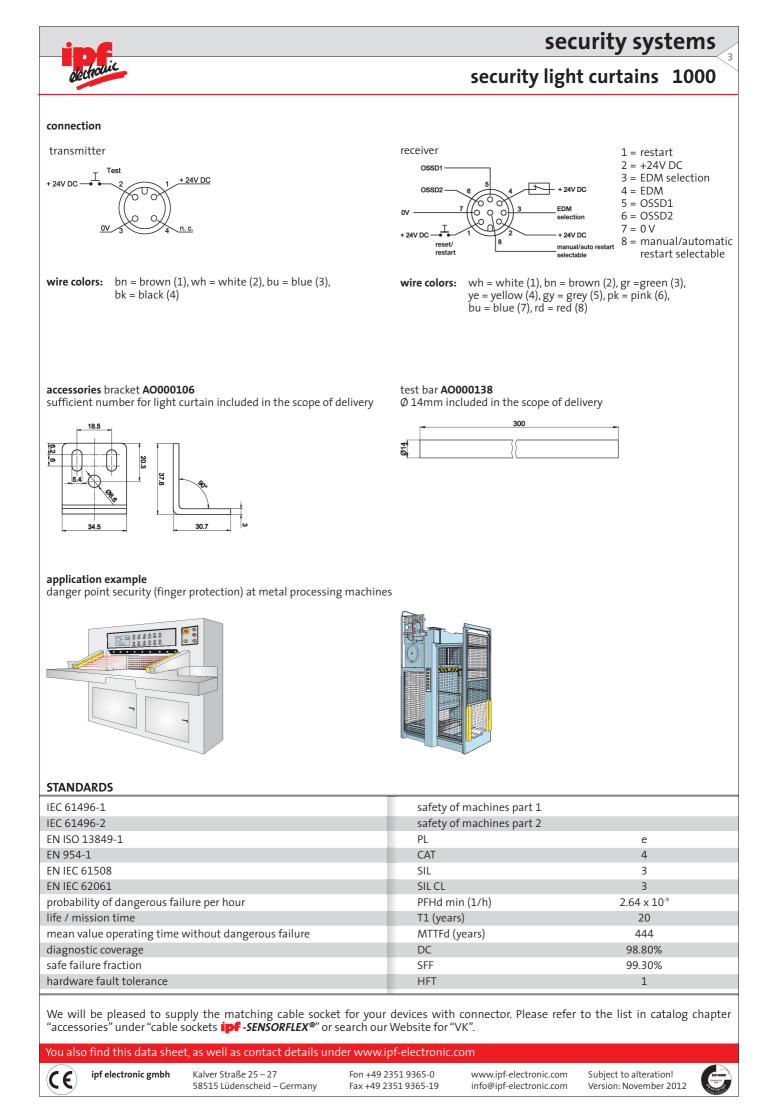
TECHNICAL DATA

resolution	14mm				
sensing range	0.2 6m				
output signal	2 x pnp, no				
operating voltage	24V DC ±20%				
current consumption (transmitter)	max. 110mA				
current consumption (w/o load)	receiver: max. 150mA				
output current (max. load)	500mA at each output				
Sendeelemente (getaktet)	infrared LED, 950nm				
functions	test; manual/automatic reset; EDM; reset				
display (transmitter)	'normal OP' LED: green, 'transmitter on' LED: yellow 7 segment display for fault diagnosis				
display (receiver)	'normal OP' LED: green, 'break' LED: red, 'alignment' 2 LED: yellow 7 segment display for fault diagnosis				
short-circut protection	1.4A max.				
reverse polarity protection	+				
dimensions	32 x L1 x 37				
housing material	aluminium painted				
material (screen)	PMMA				
operating temperature	0 +55°C				
storage temperature	-25 +70°C				
humidity	15 95%, non condensing				
system of protection (EN 60529)	IP65				
safety category	type 4				
protection class	class 1				
connection	transmitter: M12-connector, 4-pin / receiver: M12-connector, 8-pin				
connection accessories	transmitter: e.g. VK205325 / receiver: e.g. VK205A25				
accessories	test bar AO000138 included in the scope of delivery (Ø14mm for finger protection)				
	AO000106 included in the scope of delivery - further information see separate data sheet				



Fon +49 2351 9365-0 Fax +49 2351 9365-19 www.ipf-electronic.com Subject to alteration! info@ipf-electronic.com Version: November 2012





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1000 security light curtains

notes

export division

Kalver Straße 25 – 27 58515 Lüdenscheid Germany

Fon +49 2351 98597-0 Fax +49 2351 98597-29



ipf electronic gmbh Kalver Straße 25 – 27 58515 Lüdenscheid – Germany



