

OY360112

SAFETY SYSTEMS • LIGHT CURTAINS - BODY PROTECTION

safety light curtains are suitable for the protection of hazardous areas on machines according to the applicable standards. there are three groups of devices: body protection (2, 3 and 4 rays), hand protection (resolution 30mm) and finger protection (resolution 14mm). each group has deivices with different protection field heights. Often these systems are used in conveyors, welding robots as wll as cutting and bending machines



MECHANICAL DATA	
Ambient temperature	0 °C 55 °C
Degree of protection (IP)	IP65
Housing material	Aluminium painted
Material of optical surface	PMMA
Protected field height	915 mm
Sensor height	41 mm
Sensor length	1064 mm
Sensor width	35 mm
ELECTRICAL DATA	
Cascadable	No
Clock control possible	No
Equipment protection class	Protection class 3
Max. output current at safe output	500 mA
No-load current, receiver	75 mA
No-load current, transmitter	30 mA
Number of pins, receiver	8
Number of pins, transmitter	4
Number of safe semiconductor outputs	2
Override possible	No
Rated control supply voltage Us at DC	24 V 24 V
Reaction time	16 ms
Reverse polarity protection	Yes
Short-circuit-proof	Yes
Suitable for safety functions	Yes
Suppression possible	No
Switching output type of the OSSD	PNP
Switching voltage of OSSD at state "high"	24 V
Type of electrical connection	Connector M12
Type of switching function	Normally open contact (NO)
Voltage type	DC

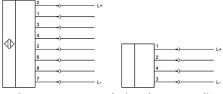
ipf electronic gmbh • Kalver Straße 25 - 27 • 58515 Lüdenscheid - Germany | Tel +49 2351 9365-0 • Fax +49 2351 9365-19 | info@ipf-electronic.com • www.ipf-electronic.com

IPF ELECTRONIC

ELECTRICAL DATA

With LED display (7 segment)	Yes
With monitoring function of downstream devices	Yes
With muting function	No
With restart lock	Yes
OPTICAL DATA	
Body protection (> 30mm)	Yes
Detection capability for samples	1064 mm
Number of beams	4
Protected field range	50 m
Resolution of the light curtain	315 mm
Wavelength of the sensor	880 nm
OTHER DATA	
Air humidity	95 %
Air humidity	15 %
Explosion protection category for dust	None
Explosion protection category for gas	None
Safety category	Category 4
Safety type in acc. with IEC 61496-1	4
Scope of delivery of the one-way system	Transmitter and receiver
With beam coding	Yes

CONNECTION



Colors: A: 1 = WH (white), 2 = BN (brown), 3 = GN (green), 4 = YE (yellow), 5 = GY (gray), 6 = PK (pink), 7 = BU (blue), 8 = RD (red) B: 1 = BN (brown), 2 = WH (white), 3 = BU (blue), 4 = BK (black)**Functions:** A: 1 = reset/restart, 2 = L+, 3 = EDM, 4 = EDM, 5 = OSSD1, 6 = OSSD2, 7 = L-, 8 = man./auto B: 1 = L+, 2 = test, 3 = L-, 4 = n. c.

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