IPF ELECTRONIC

OY35C845

OPTICAL SENSORS • LIGHT BARIERS

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 ... 50 °C
Degree of protection (IP)	IP67
Housing material	Aluminum
Material of optical surface	PMMA
Sensor height	403 mm
Sensor length	40 mm
Sensor width	35 mm

ELECTRICAL DATA

Equipment protection class	Protection class 1
Max. output current	100 mA
No-load current, receiver	250 mA
Number of pins, receiver	8
Number of pins, transmitter	4
Override possible	No
Rated control supply voltage Us at DC	19.2 V ... 28.8 V
Reaction time	7 ms
Suitable for safety functions	No
Type of analog output	0 V ... 10 V
Type of electrical connection	EV006702
Type of electrical connection	Connector M12
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
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

Beam spacing	6 mm

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DATA SHEET OY35C845 • Subject to alteration! Version: 20.09.2018

OPTICAL DATA

Min. distance	0.3 m
Protected field range	5 m
Resolution of the light curtain	12 mm
Wavelength of the sensor	880 nm

OTHER DATA

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!

Never use these devices in applications where the safety of a person depends on their functionality.

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