

OGSI0326

Optical sensors • Forked light barriers

sensor optical, fork, Increased soiling reserve, 54x20x8mm, fork width 30mm, Anschluss an Verstärker, Cable 1m Other, IP67, Aluminum+Glass, Red light pulsed



Special design of through-beam sensor. Transmitter and receiver are located in the fork or angular limbs and are perfectly aligned to each other.

Electrical features

Resolution	0.01mm
Type of the forked light barrier	Increased soiling reserve
Type of electrical connection	Cable
Short-circuit protection	Yes
Line diameter	3mm
Repeatability +/-	10µm
Protection class	III
Reverse polarity protection	Yes
Connection to amplifier	Yes

Mechanical features

Fork light barrier design	Furcate
Aperture diameter	1.2mm
Width	8mm
Fork depth	15mm
Fork width	30mm
Height	54mm
Cable length	1m
Length	19.5mm
Degree of protection (IP)	IP67
Active area material of sensor	glass
Housing material	Aluminum
Material of cable sheath	other
Punching tools	Yes
Heavy soiling	Yes
Ambient temperature	-20 - 80°C

Optical features

Light source	red light
Light beam form	Point
Min. object size	0.01mm
Light wavelength of the transmitter diode	660nm
Wavelength of the sensor	660nm
Pulsed light source	Yes
Light spot diameter at focal point	0.6mm

Other features

Features	Blast-air connector
Feeding technology	Yes
Ambient temperature	-20 - 80°C

Classification

ETIM 8	EC002720 Fork light barrier
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More

IPF Product Group	705 special devices (SI)
packaging dimensions	123 x 77 x 25 mm
gross weight	47 g
Customs tariff number	85365019
WEEE number	40951076
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

GN	green Transmitter anode
BN	brown Receiver Collector
GE	yellow Cathode transmitter
WS	white Receiver Emitter

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.

For suitable connection and mounting accessories, please refer to our website www.ipf-electronic.com.

Dimensional drawing

