



## Optical features

Beam characteristic	Divergent
LED group per IEC 62471	Exempt Group
Light spot size	Ø 2.5 mm Light exit
Light type	LED, red light
Principle of optical operation	Diffuse sensor, triangulation
Special optical feature	Background suppression
Switching function, optical	Light-on
Wave length	670 nm

## Output/Interface

Baud rate	38.4 kBaud
Function class, smart sensor	Switching signal channel
Interface	IO-Link 1.1
Interface setting option	BDC mode 1-pt./2-pt./window
Process data IN	Teaching active/inactive Limit range yes/no Switching state active/inactive
Process data cycle min.	2.3 ms
Profile	Smart Sensor
Switching output	PNP normally open (NO)

## Range/Distance

Distance deviation 18 % max. (% of Sr)	10 % on 90 % rem.
Hysteresis H max. (% of Sr)	10.0 %
Range	30 mm, adjustable
Rated operating distance Sn	30 mm Adjustable
Repeat accuracy max. (% of Sr)	4.0 %
Temperature drift max. (% of Sr)	10 %

## Remarks

The sensor is functional again after the overload has been eliminated.

Reference object (target): gray card, 200 x 200, 90 % remission, axial approach.

Only for applications per NFPA 79 (machines with a supply voltage of maximum 600 V). Use an R/C (CYJV2) cable with suitable properties for attaching the device.

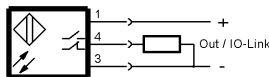
Order accessories separately.

For additional information, refer to user's guide.

## Connector Drawings



## Wiring Diagrams



## Opto Symbols

