

Electrical data:

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| Connection | Connector M12, 5-pin |
| Output resistance (Ra) | 2,2k |
| Switching element function | Light-on/dark-on selection automatic |
| Rated operational voltage | 24 DC V |
| Off Time delay | < 25 ms |
| On Time delay | < 25 ms |
| Analogue output | 1...3 V ±10% max. 5.5 V |
| Load current capacity max. (Ie) | 100 mA |
| Time delay before available | 300 ms |
| Switching output | PNP/NPN switchable |
| Operating frequency (f) | 20000 Hz |
| Current Consumption I _o max. (No Load) | 85 mA |
| Supply voltage min. | 10 V |
| Supply voltage max. | 30 V |
| Voltage ripple max. | max. 2V |
| Voltage drop U _d max. at I _e | 2 V |

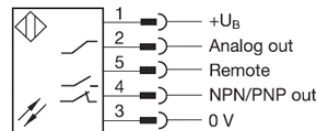
Mechanical data:

| | |
|--------------------------|--------|
| Degree of pollution | 3 |
| Sensing face material | Glass |
| Housing material | Al |
| Range max. | 9 mm |
| Storage temperature min | -20 °C |
| Storage temperature max | 70 °C |
| work distance | 9±3 |
| Ambient temperature max. | +55 °C |
| Ambient temperature min. | -10 °C |
| weight | 170 g |

General data:

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|-------------------------------------|-----------------|
| Protected against reversal | yes |
| teach pushbutton | yes |
| delay time | 20ms |
| Data storage | EEPROM memory |
| Supply voltage indication | yes, green LED |
| Function indication | yes, yellow LED |
| Short circuit protected | yes |
| Degree of protection IP | IP 67 |
| Insulation class | 2 |
| Protected against polarity reversal | yes |
| Type | Contrast Sensor |

wiring



Pinout

