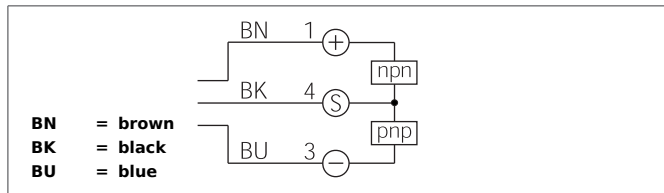


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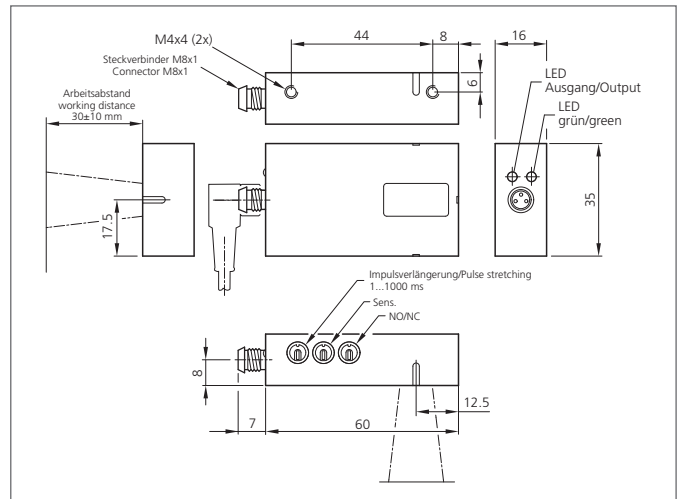
Optical Movement Sensor

- For contactless feed control, also suitable at reduced speed and wires
- Detection of metallic, non-metallic and shiny surfaces, also at minimal speed
- Robust metal casing
- High protection class



Safety instructions

Inproper use may result in hazardous radiation exposure. Pay attention to accident prevention rules and laser class. The instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments. These instruments shall exclusively be used by qualified personnel.



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Operating principle		Optical
Evaluation		digital
Emitted light		Infrared laser, 850 nm
Laser class		1M (EN 60825-1)
Service voltage		10 ... 30 V DC
Internal power consumption		30 mA
Diameter of light spot		Ø 2 mm
Sensitivity adjustment		potentiometer
Working distance		30 mm ± 10 mm
Switching output		Push pull, 150 mA, NO/NC, switchable
Switching hysteresis		Fix 16 % max. 0,1 m/s
Speed of parts		< 5 m/s (material dependent)
Pulse stretching		1 ... 1.000 ms adjustable
Display		LED: green - operation, yellow - output
Voltage drop		< 2,5 V
Response time		10 ms
Ambient temperature		+5 ... +45 °C
Ambient light immunity		5 kLx
Insulation voltage endurance		500 V
Protection class		IP 67
Protection degree		III, operation on protective low voltage
Casing material		Aluminium black anodized
Material		polymethyl methacrylate (Window)

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Optical Movement Sensor



TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Connection	Connector, M8, 3-poled
Connecting cable	TK ...