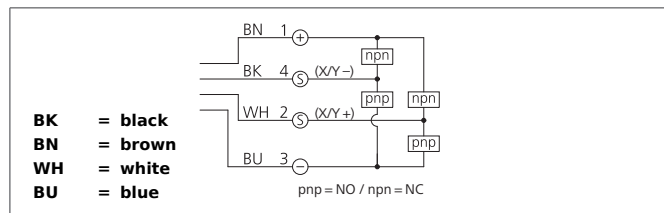


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Optical Movement Sensor

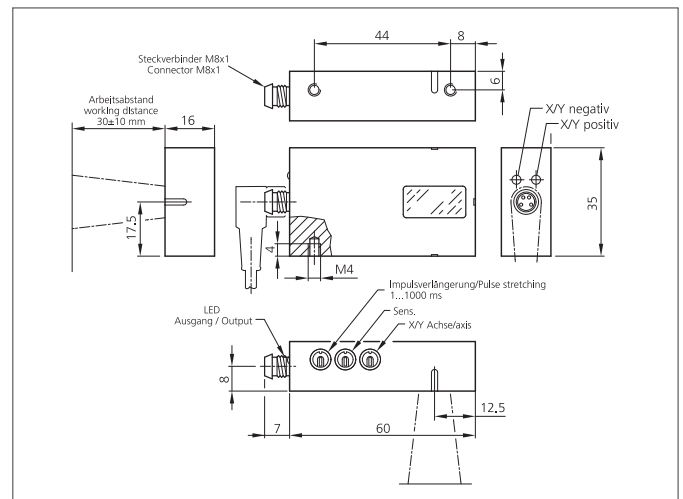


- Detection of direction
- X- or Y-axis switchable
- For contactless feed control
- Detection of metallic, non-metallic and shiny surfaces, also at minimal speed
- Two switching outputs
- Robust metal casing
- High protection class



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.)	
Operating principle	Optical
Evaluation	digital
Design	cuboid design
Emitted light	Infrared laser, 850 nm
Laser class	1M (EN 60825-1)
Service voltage	10 ... 30 V DC
No-load current	30 mA
Light spot size	Ø 2 mm
Sensitivity adjustment	potentiometer
Working distance	20 ... 40 mm
Switching output	Push pull (2x), 150 mA
Switching hysteresis	Fix 16 % max. 0,1 m/s
Shock-/vibration load	10 ... 55 Hz / 1,0 mm / 30 g
Speed of parts	< 5 m/s (material dependent)
Pulse stretching	1 ... 1000 ms adjustable
Display	2 x LED yellow (Display output)
Voltage drop	< 2,5 V
Response time	10 ms
Ambient temperature, operation	+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

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TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Casing material		Aluminium black anodized
Material		polymethyl methacrylate (Window)
Connection		Connector, M8, 4-poled