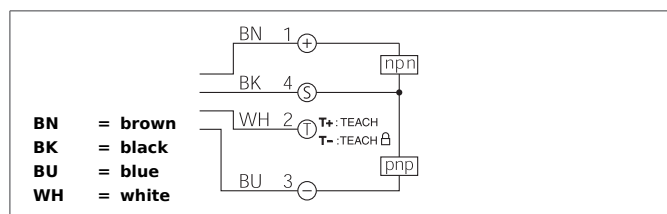


LHT 41 M 0.2 FG3-T4

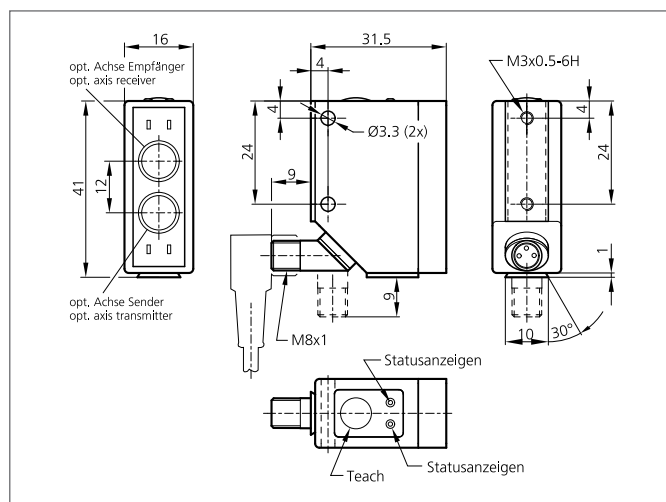
Laser Diffuse Sensor with Background Suppression

- High operating distance with a small design
- Plug, rotatable 270°
- Dovetail groove for secure mounting
- NO/NC changeover by teach button
- Auto and two-point teach procedures
- Visible red light with small light spot
- Small metal casing design
- Display for unstable function



Safety instructions

Improper 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	Diffuse reflective sensor
Evaluation	digital
Size	41 x 31,5 x 16 mm (Dimensions)
Design	cuboid design
Emitted light	Red light laser, 650 nm, clocked
Laser class	1 (IEC 60825-1)
Service voltage	10 ... 30 V DC
Internal power consumption	< 40 mA
background suppression	yes
Operating distance	40 ... 200 mm
Sensitivity adjustment	Teach key + remote teach
Switching output	Push pull, 200 mA, NO/NC, switchable
Voltage drop	< 2,0 V
Switching frequency	500 Hz
Ambient temperature	0 ... +50 °C
Ambient light immunity	50 kLx
Insulation voltage endurance	500 V
Protection class	IP 67
Protection degree	III, operation on protective low voltage
Casing material	Die-cast zinc black lacquered finish
Material	polymethyl methacrylate (Window)
Connection	Connector, M8, 4-poled
Connecting cable	TK ... /4