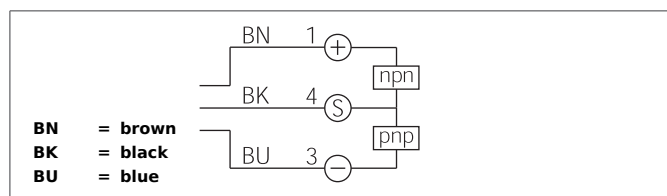


LHT 41 M 0.2 G3-T3

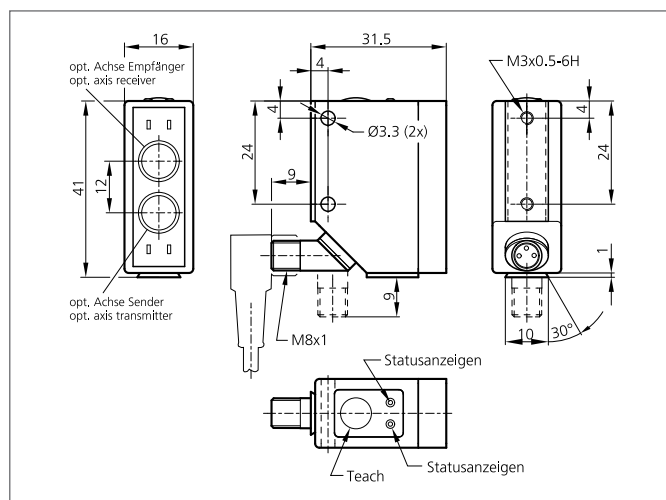
Laser Diffuse Sensor with Background Suppression

- High operating distances 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

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		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
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, 3-poled
Connecting cable		TK ...