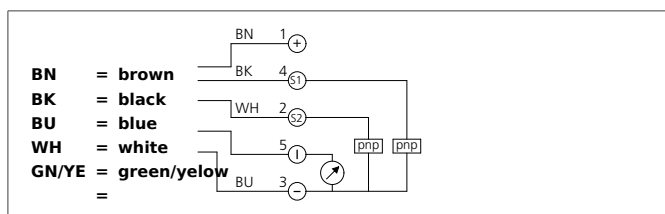


OAA 280 IPP3K-IBS

Diffuse Sensor with Background Suppression

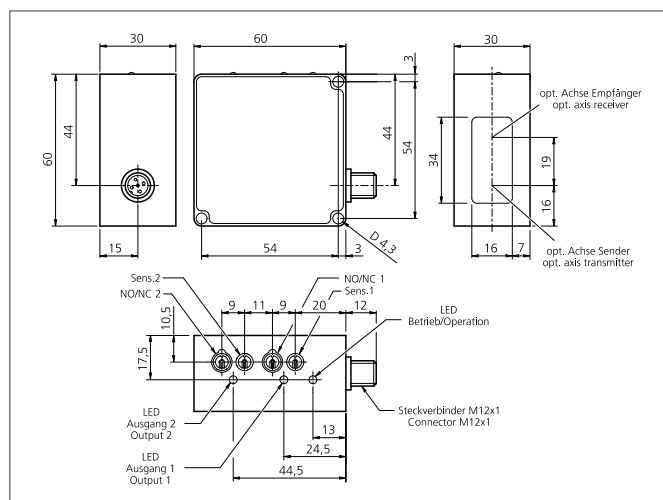
- Two independently adjustable thresholds
- Two switching outputs
- Analog output 4 ... 20 mA
- Suitable for uneven surfaces
- High operating distance
- Very good colour independence
- Robust metal casing
- High protection class



Safety instructions

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	+20°C, 24V DC
Evaluation	Diffuse reflective sensor
Size	digital
Design	60 x 60 x 30 mm (Dimensions)
Emitted light	cuboid design
Service voltage	Infrared, 880 nm, clocked
Internal power consumption	15 ... 35 V DC
background suppression	< 60 mA
Diameter of light spot	yes
Operating distance	Ø 7 ... 26 mm
Switching output	20 ... 280 mm
Switching hysteresis	pnp, 200 mA, NO/NC, switchable
Analog output	< 15 %
Voltage drop	4 ... 20 mA, unlinearized
Switching frequency	< 2,0 V
Accuracy	10 Hz
Output sequence frequency	< 10 % Far range / 4 % Middle range / 1 % Close-up range
Threshold	analog output, 24 Hz
Ambient temperature	0 ... 100 % adjustable
Ambient light immunity	-10 ... +60 °C
Insulation voltage endurance	2 kLx, at 30° angle of incidence
Protection class	500 V
Protection degree	IP 67
	III, operation on protective low voltage

OAA 280 IPP3K-IBS

Diffuse Sensor with Background Suppression



TECHNICAL INFORMATION (typ.)	
Casing material	Aluminium black anodized
Connection	Connector, M12, 5-poled

+20°C, 24V DC