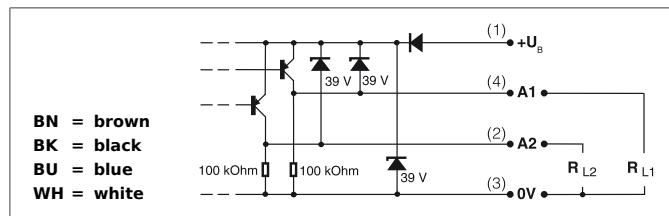


OHT 80 K 1000 P4K-BSL

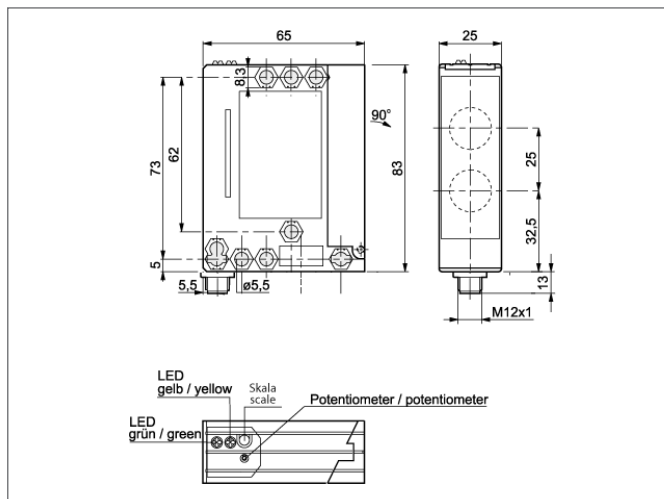
Diffuse Sensor with Background Suppression

- Infrared light, clocked
- 4-turn potentiometer
- Background suppression
- Robust casing with Connector M12



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.
Repair only by di-soric.



TECHNICAL INFORMATION	
Operating principle	Diffuser
Evaluation	digital
Size	83 x 65 x 25 mm (Dimensions)
Design	cuboid design
Emitted light	Infrared, 880 nm, clocked
Standardized measuring plate	200 x 200 mm, white
Service voltage	10 ... 36 V DC
background suppression	yes
Operating distance	50 ... 1.000 mm
Operating distance	50 ... 1.000 mm
Output	pnp, 200 mA, exclusive OR, NO/NC, exclusive OR
Sensitivity adjustment	potentiometer
Internal power consumption	< 50 mA
Operating frequency	250 Hz
Response-/release time	< 2 ms / < 2 ms
Switching hysteresis	10 %, < 10 %
On-delay time (Trig.)	0,318 ms
Ambient temperature	-5 ..., -25 ... +55 °C
Ambient light immunity	> 10.000 Lux, > 10 kLx
Protection class	IP 67
Protection degree	III, operation on protective low voltage
Casing material	PBTP
Material	glass (Window)

OHT 80 K 1000 P4K-BSL

Diffuse Sensor with Background Suppression

TECHNICAL INFORMATION

Connection

+20°C, 24V DC

Connector, M12, 4-poled