

PRODUCT: luminescence diffuse reflection sensor

DESIGN: 38 15x48x38

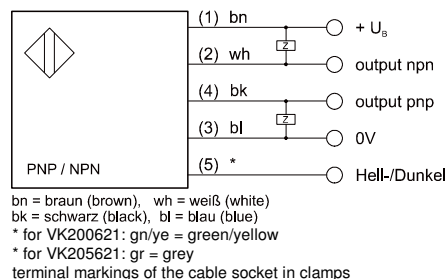
- robust metal housing
- glass lens
- UV - LED
- active external light suppression
- auto collimation principle for a safe function over the whole operating distance
- short-circuit and reverse polarity protection
- rotatable M12-connector



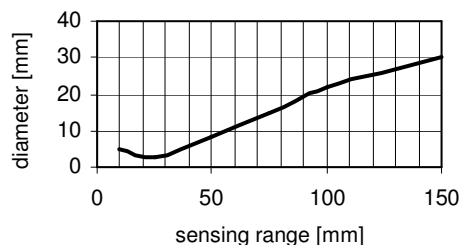
technical data

operating voltage	10 ... 30V DC
residual ripple	≤ 15%
no load current	≤ 35mA
switching output	pnp- and npn-transistor output
signal voltage high / low	≥ (U _B -2V) / ≤ 2V
current-carrying capacity	100mA
function	light-on mode (dark-on mode at +U _B on PIN 5)
sensitivity adjustment	12-ganged-potentiometer
max. sampling frequency	1.5kHz
power-on delay time	100msec
typical limit sensing range	0 ... 150mm (w/o stand-by)
light source	LED, UV, 380nm, pulsed
pulse time	10μsec
angle of beam spread	220mrad
optical power	≤ 0,75mW
average life (at 25 °C)	100.000h
status display	LED yellow (object recognized)
ambient temperature	-20 ... +60 °
VDE-protection class	II, protective isolation
system of protection (EN 60529)	IP 67
electric connection	rotatable M12-connector, 5-pin

electric connection



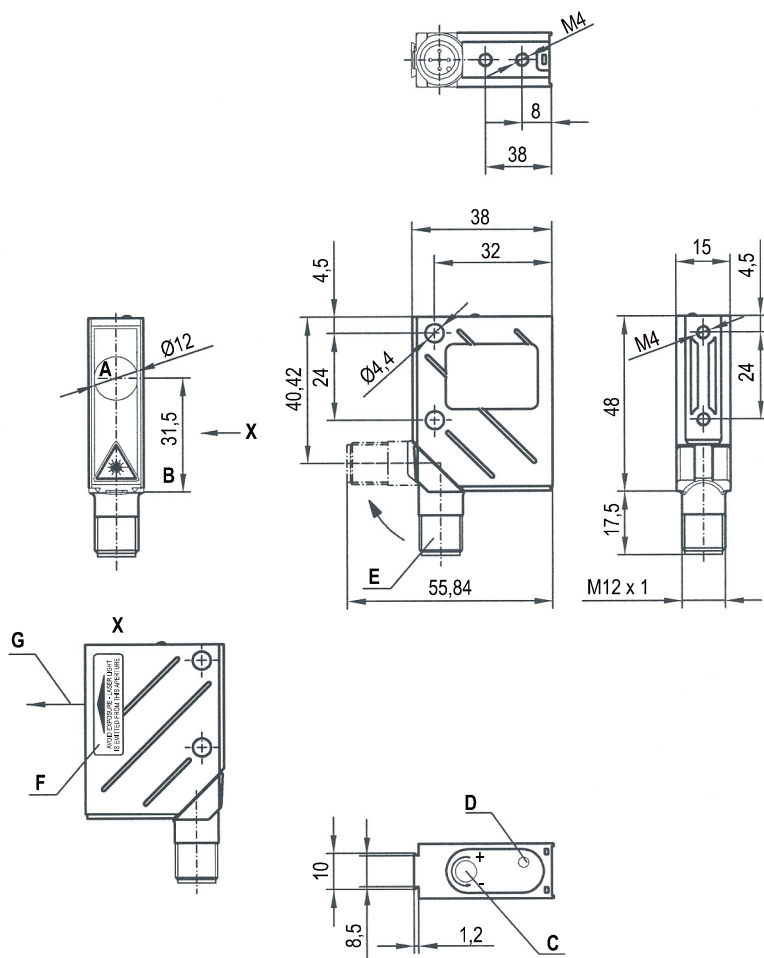
typical beam spot size



The light-on mode is active when PIN 5 is not assigned connected with 0V.
 The dark-on mode is active when PIN 5 is connected with +U_B.

dimensional drawing

notes



LED-STRAHLUNG
NICHT DIREKT MIT OPTISCHEN
INSTRUMENTEN BETRACHTEN

Max. Leistung: 0,75mW
Impulsdauer: 10µs
Wellenlänge: 380nm

LED KLASSE 1M
DIN EN 60825 - 1:2003 - 10

LASER RADIATION
DO NOT VIEW DIRECTLY
WITH OPTICAL INSTRUMENTS

Maximum Output: 0,75mW
Pulse Duration: 10µs
Wavelength: 380nm

CLASS 1M LASER PRODUCT
EN 60825 - 1:2003 - 10

AVOIE EXPOSURE - LASER LIGHT
IS EMITTED FROM THIS APERTURE

- A transmitter and receiver
- B optical axis
- C control element
- D status display (yellow LED)
- E M12-connector, 90° rotatable
- F position for warning sign
- G light emission

article-no.	luminescence detection of
OY380520	blue/colorless
	red
	yellow
	yellow-green
OY380521	red

accessories bracket **AY000071**

profile mounting **AY000072**

screw mounting **AY000073**

fitting cable sockets not shielded
shielded

e.g. **VK200621** (angular) or **VK200625** (straight)
e.g. **VK205621** (angular) or **VK205625** (straight)

Warning: Never use this devices in applications where the safety of a person depends on their functionality.