optical sensors, laser

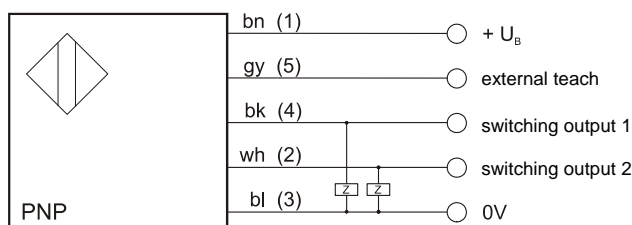**PRODUCT:** cuboid devices, metal

design: 66 20.4x65x50

- **robust metal housing**
- **status display by LED**
- **short-circuit and reverse polarity protection**
- **adjustable sensitivity via teach-in**
- **high repeatability**
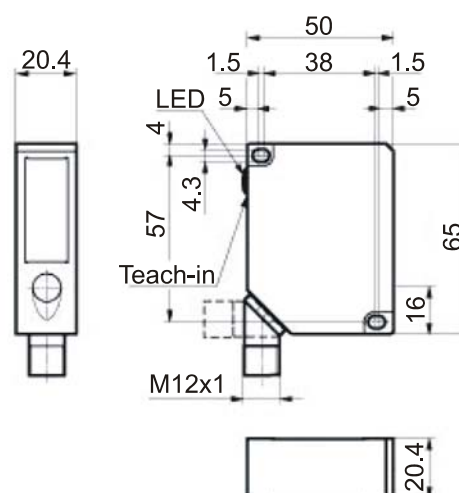- **class 2 laser**
- **connection with M12-connector**

technical data

current consumption	< 100mA
voltage drop	< 5V DC
operating voltage	12 … 28V DC
switching output	2 x pnp, no/nc
output current (switching output 1 / switching output 2)	< 100mA / < 20mA
response time	< 6msec
decay time	< 18msec
sensing range	200 … 1500mm
light source	laser diode, red (675nm), pulsed
beam diameter	2mm
laser class	2
sensitivity adjustment	teach-in-button or external teach-line
ambient temperature	0 … +50°C
system of protection (EN 60529)	IP67
housing material	zinc-diecast
electrical connection	M12-connector, 5-pin

electrical connection

bn (1) — + U_B
gy (5) — external teach
bk (4) — switching output 1
wh (2) — switching output 2
bl (3) — 0V

PNP

bn=brown, wh=white, bk=black, gy= grey, bl= blue
terminal markings of the cable socket in clamps

dimensional drawing

20.4
50
1.5 38 1.5
LED 5 5
4
4.3
57
Teach-in
65
16
M12x1
20.4

article-no.: **PT 66 A6 10**

fitting cable socket: **e.g. VK 20 56 25**

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