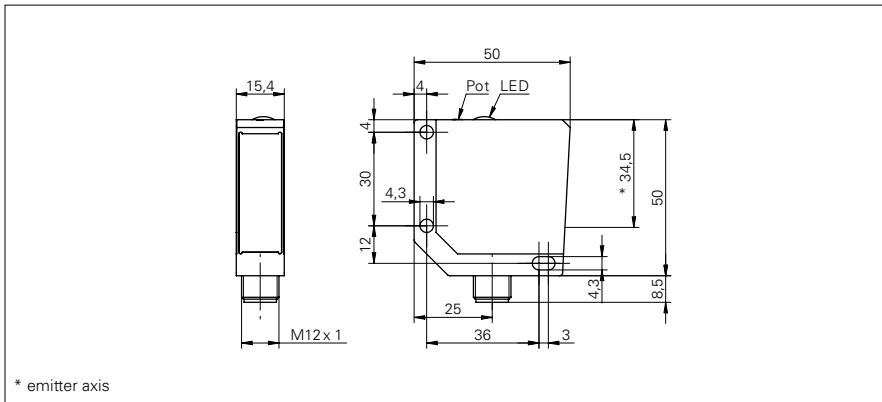


Diffuse sensors with background suppression

OHDM 16P5002/S14

dimension drawing



general data

| | |
|-------------------------------------|-------------------------|
| type | background suppression |
| light source | pulsed red laser diode |
| sensing distance Tw | 25 ... 300 mm |
| sensing range Tb (at Tw max.) | 40 ... 300 mm |
| sensing range Tb (at Tw min.) | 5 ... 25 mm |
| repeat accuracy | < 0,1 mm at laser focus |
| output indicator | LED yellow |
| sensing distance adjustment | mechanical, 8 turn |
| laser class | 2 |
| distance to focus | 40 mm |
| wave length | 650 nm |
| suppression of reciprocal influence | yes |

electrical data

| | |
|------------------------------------|----------------------|
| response time / release time | < 0,6 ms |
| voltage supply range +Vs | 10 ... 30 VDC |
| current consumption max. (no load) | 35 mA |
| current consumption typ. | 25 mA |
| voltage drop Vd | < 2 VDC |
| output function | light / dark operate |
| output circuit | PNP |
| output current | < 200 mA |
| short circuit protection | yes |
| reverse polarity protection | yes |

mechanical data

| | |
|------------------|---------------------|
| width / diameter | 15,4 mm |
| height / length | 50 mm |
| depth | 50 mm |
| type | rectangular |
| housing material | die-cast zinc |
| front (optics) | glass |
| connection types | connector M12 4 pin |

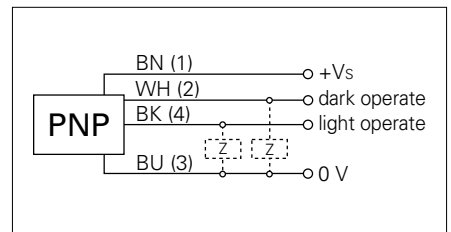
ambient conditions

| | |
|-----------------------|----------------|
| operating temperature | -10 ... +50 °C |
| protection class | IP 67 |

photo



connection diagram



laser warning

