

design 14.8 x 43 x 31mm  
dif. refl. sensor measuring range 50 ... 400mm

- ✓ robust plastic housing
- ✓ compact design
- ✓ high resolution
- ✓ visible red light

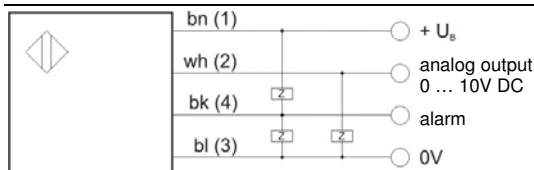


**measuring range 50 ... 400mm**  
**additional alarm output**

### technical data

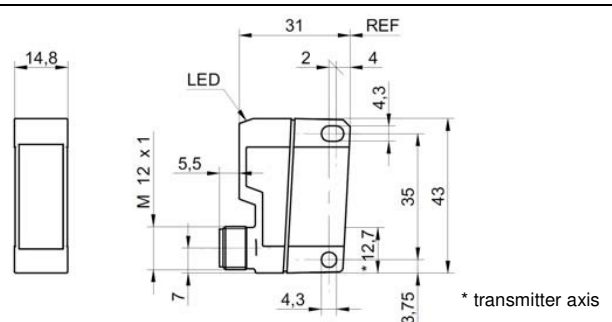
measuring range	50 ... 400mm
transmitting element	LED with point shaped light beam, pulsed, red light, 660nm
light spot diameter	8mm
sensing element	photo diode array
resolution	0.1 ... 1mm
linearity deviation	±0.6 ... ±3mm
operating voltage $U_B$	13 ... 26V DC
current consumption (w/o load)	≤ 80mA
analog output	0 ... 10V
response / decay time	< 3msec
load resistance	> 100kΩ
alarm output	push-pull, max. 100mA
short-circuit protection	+
reverse polarity protection	+ ( $U_B$ to GND)
ambient temperature	0 ... +50 °C
temperature drift	< 0.1% from measurement range accumulated value per K
housing material	plastic (ASA, MABS)
front screen material	PMMA
system of protection (EN 60529)	IP67
connection	M12-connector, 4-pin
connection accessories	e.g. <b>VK200325</b>
mounting accessories	e.g. <b>AY000095</b>

### wiring diagram



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

### dimensional drawing



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**Warning:** Never use these devices in applications where the safety of a person depends on their functionality!