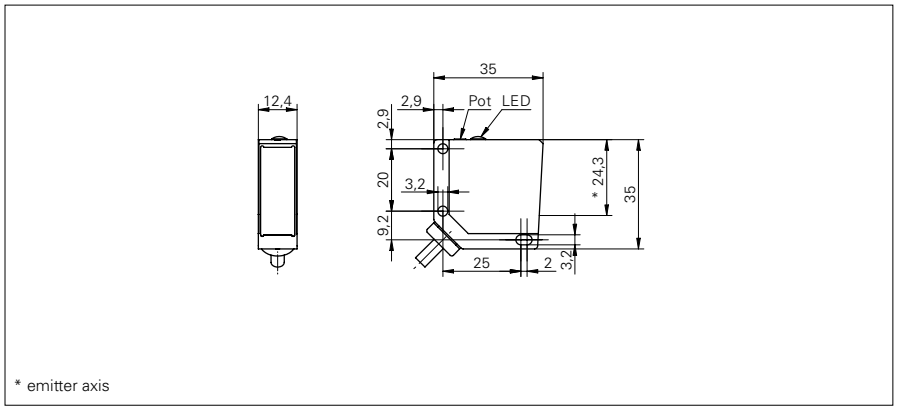
Diffuse sensors with background suppression

FHDM 12P5001

dimension drawing



* emitter axis

general data

type	background suppression
light source	pulsed red LED
sensing distance Tw	15 ... 300 mm
sensing range Tb (at Tw max.)	15 ... 300 mm
sensing range Tb (at Tw min.)	5 ... 15 mm
light indicator	LED yellow
sensing distance adjustment	mechanical, 5 turn
wave length	660 nm
suppression of reciprocal influence	yes

electrical data

response time / release time	< 1 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	35 mA
current consumption typ.	25 mA
voltage drop Vd	< 1,8 VDC
output function	light / dark operate
output circuit	PNP
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

width / diameter	12,4 mm
height / length	35 mm
depth	35 mm
type	rectangular
housing material	die-cast zinc
front (optics)	PMMA
connection types	cable 4 pin, 2 m

ambient conditions

operating temperature	-25 ... +65 °C
protection class	IP 67

photo



connection diagram

