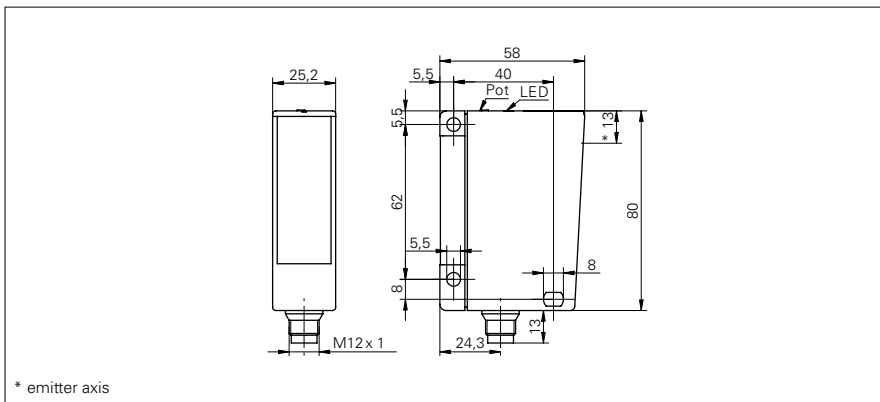


Diffuse sensors with background suppression

FHDK 26N5001/S14

dimension drawing



general data

type	background suppression
light source	pulsed infrared diode
sensing distance T_w	120 ... 400 mm
sensing range T_b (at T_w max.)	10 ... 400 mm
sensing range T_b (at T_w min.)	8 ... 120 mm
light indicator	LED yellow
sensing distance adjustment	mechanical, 9 turn
wave length	880 nm

electrical data

response time / release time	< 1 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	45 mA
current consumption typ.	35 mA
voltage drop Vd	< 1,8 VDC
output function	light / dark operate
output circuit	NPN
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

width / diameter	25 mm
height / length	80 mm
depth	58 mm
type	rectangular
housing material	plastic (ASA)
front (optics)	PMMA
connection types	connector M12 4 pin

ambient conditions

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

photo



connection diagram

