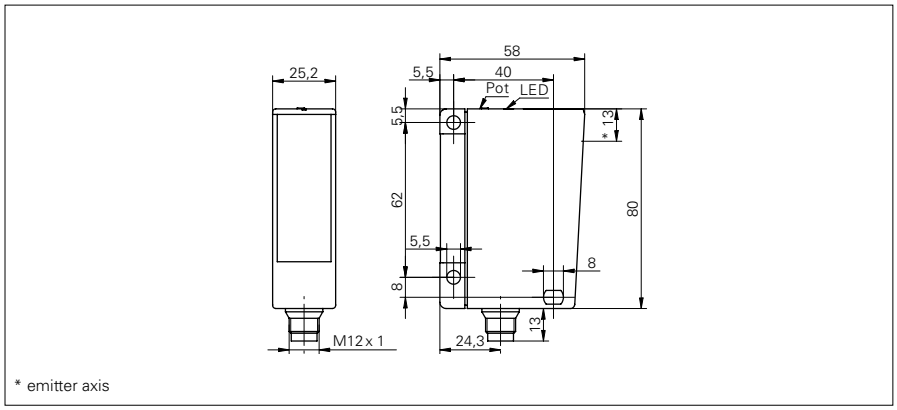
Diffuse sensors with background suppression

FHDK 26P5001/S14

dimension drawing



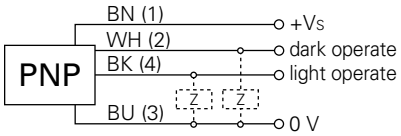
* emitter axis

general data	
type	background suppression
light source	pulsed infrared diode
sensing distance Tw	120 ... 400 mm
sensing range Tb (at Tw max.)	10 ... 400 mm
sensing range Tb (at Tw 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	PNP
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