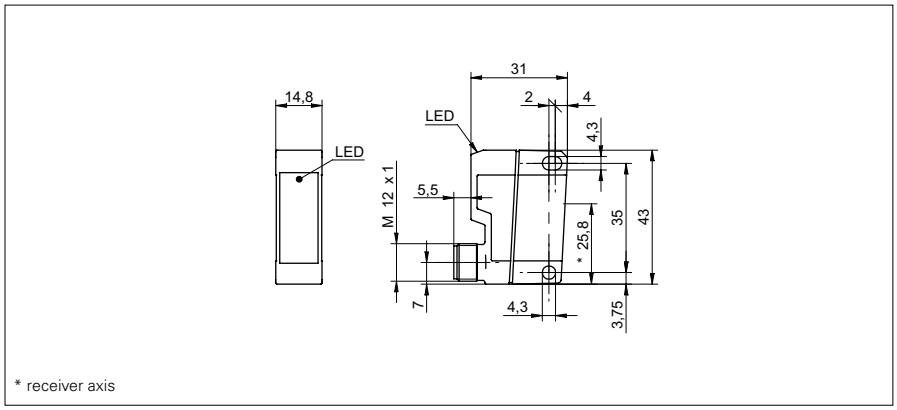
Through beam sensors

FEDK 14P5101/S14

dimension drawing



* receiver axis

general data

type	through beam sensor
emitter / receiver	receiver
actual range Sb	12 m
nominal range Sn	15 m
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
sensitivity adjustment	no

electrical data

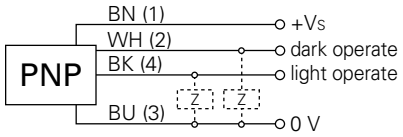
response time / release time	< 1,2 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	20 mA
current consumption typ.	20 mA
voltage drop Vd	< 1,8 VDC
output function	light / dark operate
output circuit	PNP
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

width / diameter	14,8 mm
height / length	43 mm
depth	31 mm
type	rectangular
housing material	plastic (ASA, MABS)
front (optics)	PMMA
connection types	connector M12 4 pin

ambient conditions

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

photo

connection diagram