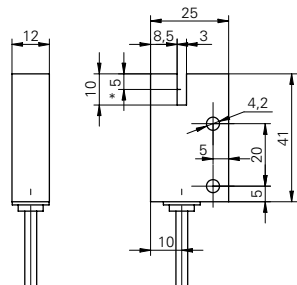


Fork and angle sensors

FEG 12

sample drawing



* emitter axis

general data

type	through beam sensor
object size	> 0,8 mm
repeat accuracy	< 0,01 mm
hysteresis	< 0,1 mm
sensitivity adjustment	no
light source	non-pulsed infrared diode
wave length	935 nm

electrical data

response time / release time	< 0,01 ms
switching frequency	< 50 kHz
voltage supply range +Vs	4,5 ... 30 VDC
current consumption max.	24 mA
output circuit	PNP
voltage drop Vd	< 1 VDC
output current	< 100 mA
short circuit protection	no
reverse polarity protection	yes, Vs to GND

mechanical data

width / diameter	12 mm
fork width Sb	3 mm
height / length	41 mm
depth	25 mm
penetration depth	10 mm
type	rectangular
housing material	brass nickel plated
connection types	cable 3 pin, 2 m

ambient conditions

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

order reference

FEG 12.24.35	dark operate
FEG 12.24.45	light operate

output function

sample picture

