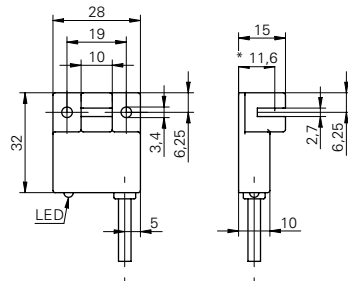


Fork and angle sensors

FGDK 28

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
output indicator	LED yellow

electrical data

response time / release time	< 0,01 ms
switching frequency	< 50 kHz
voltage supply range +Vs	4,5 ... 30 VDC
current consumption max.	25 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	28 mm
fork width Sb	2,7 mm
height / length	32 mm
depth	15 mm
penetration depth	5 mm
type	rectangular
housing material	polyamid
connection types	cable 3 pin, 2 m

ambient conditions

operating temperature	0 ... +65 °C
protection class	IP 65

order reference

FGDK 28P1001	light operate
FGDK 28P3001	dark operate

output function

sample picture

