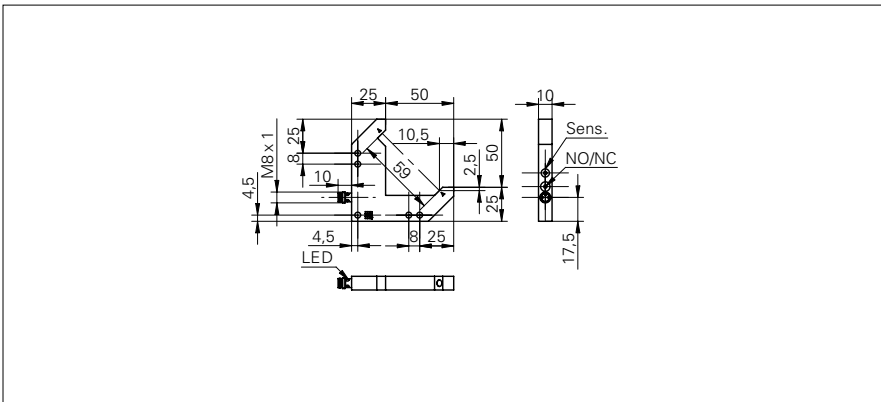


Fork and angle sensors

FGLM

sample drawing



general data

type	through beam sensor
repeat accuracy	< 0,06 mm
hysteresis	< 0,25 mm
sensitivity adjustment	potentiometer, 270°
light source	pulsed red LED
wave length	660 nm
light indicator	LED yellow

sample picture



electrical data

voltage supply range +Vs	10 ... 35 VDC
output function	light / dark operate switchable
output circuit	PNP
voltage drop Vd	< 2,8 VDC
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

type	L profile
housing material	die-cast zinc
connection types	connector M8, 3 pin

ambient conditions

operating temperature	-10 ... +60 °C
protection class	IP 67

order reference	fork width Sb	penetration depth	object size	response time / release time	ambient light immunity	current consumption max. (no load)	switching frequency
FGLM 050P8001/S35L	60 mm	50 mm	> 0,5 mm	< 0,125 ms	< 80 kLux	30 mA	< 4 kHz
FGLM 080P8001/S35L	100 mm	80 mm	> 0,7 mm	< 0,125 ms	< 70 kLux	30 mA	< 4 kHz
FGLM 120P8001/S35L	158 mm	120 mm	> 1 mm	< 0,25 ms	< 50 kLux	40 mA	< 2 kHz