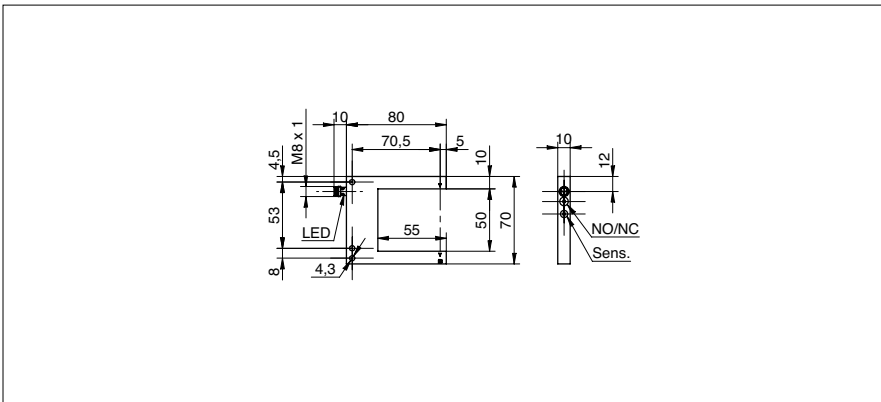


Fork and angle sensors

FGUM

sample drawing



general data

type	through beam sensor
sensitivity adjustment	potentiometer, 270°
light source	pulsed red LED
wave length	660 nm
light indicator	LED yellow

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

ambient conditions

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

sample picture



order reference	fork width Sb	penetration depth	object size	response time / release time	repeat accuracy	hysteresis	ambient light immunity
FGUM 020P8001/S35L	20 mm	25 mm	> 0,4 mm	< 0,125 ms	< 0,02 mm	< 0,1 mm	< 50 kLux
FGUM 030P8001/S35L	30 mm	35 mm	> 0,5 mm	< 0,125 ms	< 0,02 mm	< 0,25 mm	< 140 kLux
FGUM 050P8001/S35L	50 mm	55 mm	> 0,5 mm	< 0,125 ms	< 0,04 mm	< 0,25 mm	< 80 kLux
FGUM 080P8001/S35L	80 mm	55 mm	> 0,5 mm	< 0,125 ms	< 0,06 mm	< 0,25 mm	< 80 kLux
FGUM 120P8001/S35L	120 mm	60 mm	> 0,8 mm	< 0,25 ms	< 0,06 mm	< 0,25 mm	< 50 kLux