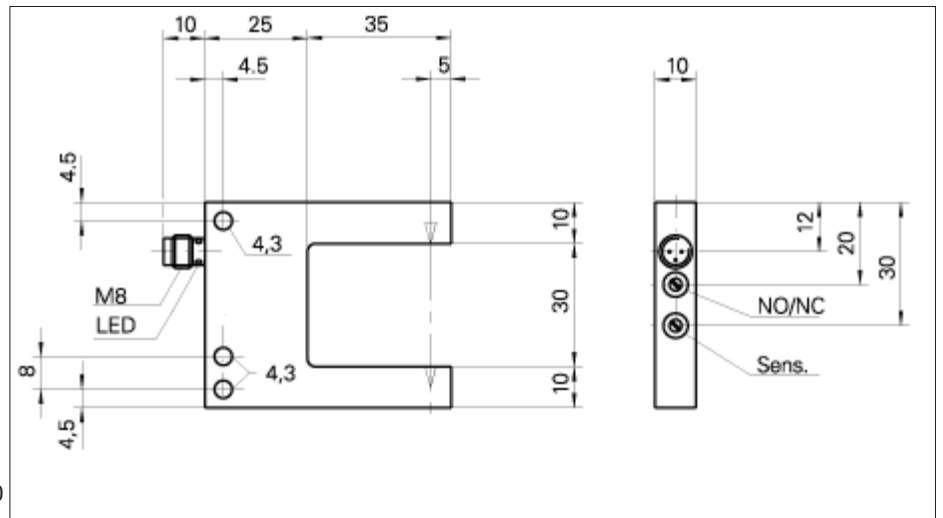


# Fork sensor, U profile

## FGUM 030P8001/S35L



### AUDIN

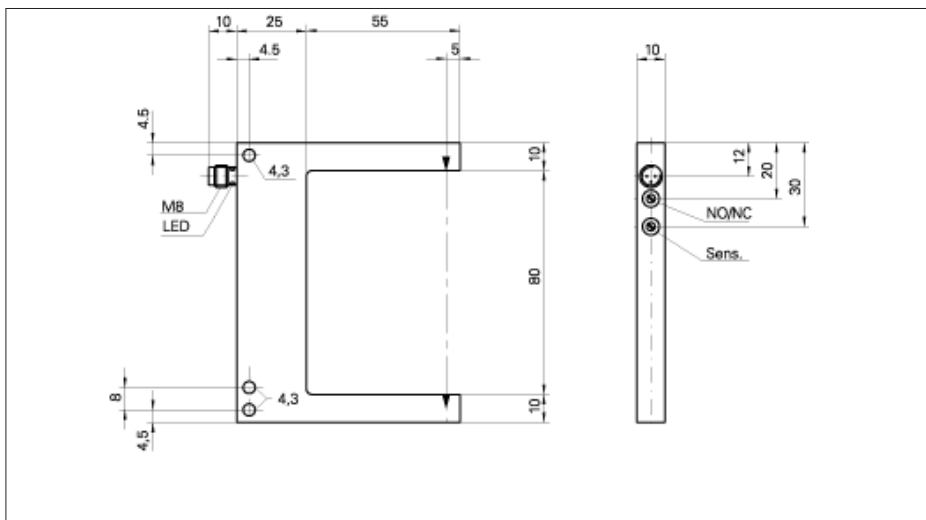
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Technical Data		connection diagram
function	through beam sensor	
Fork opening	30 mm	
scan depth	35 mm	
repeatability	0,02 mm	
smallest recognizable object	0,5 mm	
switching hysteresis	< 0,25 mm	
response time / release time	< 0,125 ms	
output	PNP	
output state	light/dark operate switchable	
switching current	< 200 mA	
short circuit protection	yes	
voltage drop	< 2,8 VDC	
output indicator	LED yellow	
voltage supply range +Vs	10 - 35 VDC	
reverse polarity protection	yes	
supply current average/peak value	30 / 30 mA	
light source	pulsed red diode	
wave length	660 nm	
laser class (norm)	-	
sensitivity adjustable	yes	
Ambient light immunity	140 kLux	
housing material	die-cast zinc	
housing style	U profile	
width /diameter	50 mm	
height	60 mm	
depth	10 mm	
temperature range	-10 ... +60 °C	
protection class	IP 67	
connection	connector	
connectors	ES 8.2P, ES 9.2P, ESW 31S, ESG32S	



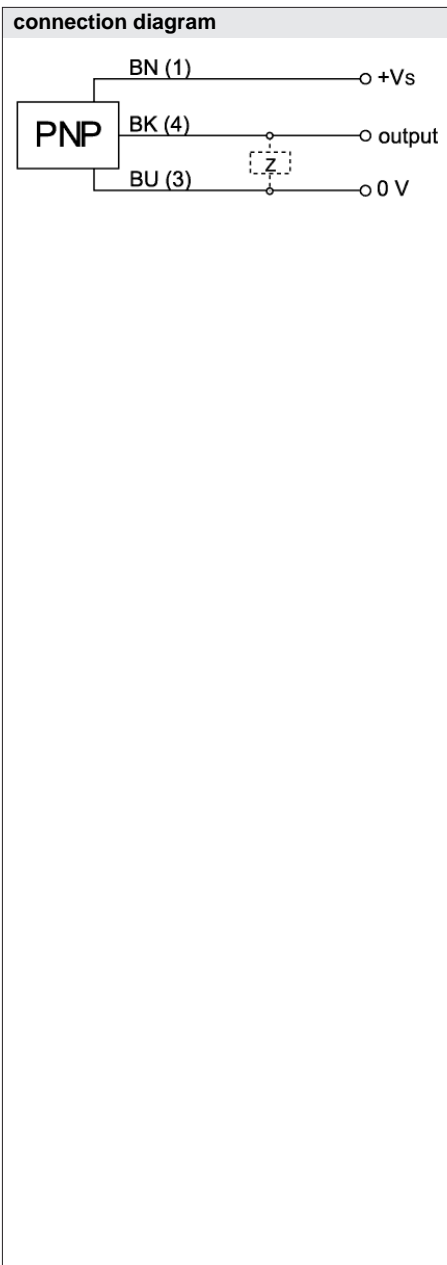
# Fork sensor, U profile

## FGUM 080P8001/S35L



Technical Data	
function	
Fork opening	80 mm
scan depth	55 mm
repeatability	0,06 mm
smallest recognizable object	0,5 mm
switching hysteresis	< 0,25 mm
response time / release time	< 0,125 ms
output	PNP
output state	light/dark operate switchable
switching current	< 200 mA
short circuit protection	yes
voltage drop	< 2,8 VDC
output indicator	LED yellow
voltage supply range +Vs	10 - 35 VDC
reverse polarity protection	yes
supply current average/peak value	30 / 30 mA
light source	pulsed red diode
wave length	660 nm
laser class (norm)	-
sensitivity adjustable	yes
Ambient light immunity	80 kLux
housing material	die-cast zinc
housing style	U profile
width /diameter	100 mm
height	80 mm
depth	10 mm
temperature range	-10 ... +60 °C
protection class	IP 67
connection	connector
connectors	ES 8.2P, ES 9.2P, ESW 31S, ESG32S

Technical Data	
function	through beam sensor
Fork opening	80 mm
scan depth	55 mm
repeatability	0,06 mm
smallest recognizable object	0,5 mm
switching hysteresis	< 0,25 mm
response time / release time	< 0,125 ms
output	PNP
output state	light/dark operate switchable
switching current	< 200 mA
short circuit protection	yes
voltage drop	< 2,8 VDC
output indicator	LED yellow
voltage supply range +Vs	10 - 35 VDC
reverse polarity protection	yes
supply current average/peak value	30 / 30 mA
light source	pulsed red diode
wave length	660 nm
laser class (norm)	-
sensitivity adjustable	yes
Ambient light immunity	80 kLux
housing material	die-cast zinc
housing style	U profile
width /diameter	100 mm
height	80 mm
depth	10 mm
temperature range	-10 ... +60 °C
protection class	IP 67
connection	connector
connectors	ES 8.2P, ES 9.2P, ESW 31S, ESG32S

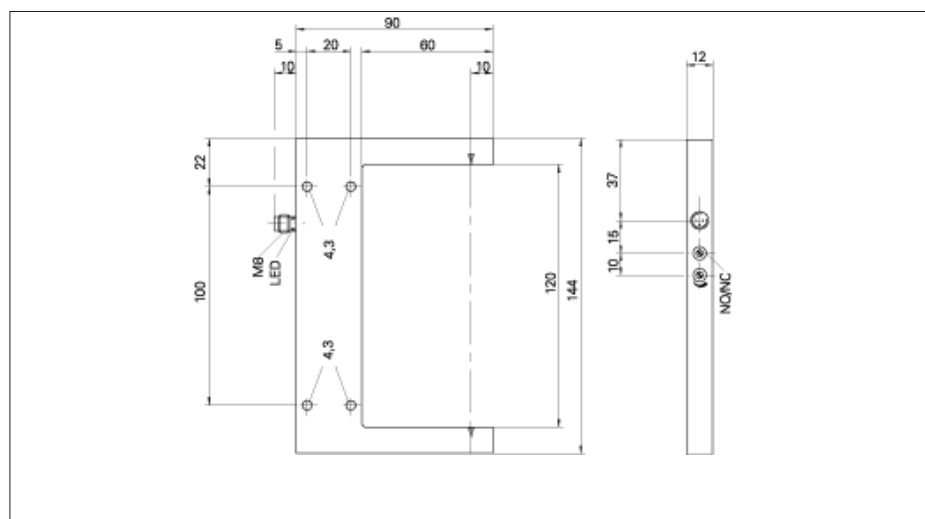


Photoelectric

**Baumer electric**

# Fork sensor, U profile

## FGUM 120P8001/S35L



Technical Data	
function	through beam sensor
Fork opening	120 mm
scan depth	60 mm
repeatability	0,06 mm
smallest recognizable object	0,8 mm
switching hysteresis	< 0,25 mm
response time / release time	< 0,25 ms
output	PNP
output state	light/dark operate switchable
switching current	< 200 mA
short circuit protection	yes
voltage drop	< 2,8 VDC
output indicator	LED yellow
voltage supply range +Vs	10 - 35 VDC
reverse polarity protection	yes
supply current average/peak value	40 / 40 mA
light source	pulsed red diode
wave length	660 nm
laser class (norm)	-
sensitivity adjustable	yes
Ambient light immunity	50 kLux
housing material	die-cast zinc
housing style	U profile
width /diameter	144 mm
height	90 mm
depth	12 mm
temperature range	-10 ... +60 °C
protection class	IP 67
connection	connector
connectors	ES 8.2P, ES 9.2P, ESW 31S, ESG32S

### connection diagram

