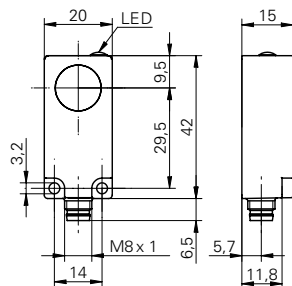


## Ultrasonic through beam sensors

## USDK 20D9003/S35A

### Ultrasonic sensors

#### dimension drawing



#### general data

emitter / receiver	emitter
scanning range sd	0 ... 1000 mm
scanning range far limit Sde	0 ... 1000 mm
sonic frequency	250 kHz
alignment aid	target indication flashing
power on indication	LED yellow

#### electrical data

voltage supply range +Vs	15 ... 30 VDC
current consumption max. (no load)	40 mA
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes

#### mechanical data

type	rectangular
housing material	polyester
width / diameter	20 mm
height / length	42 mm
depth	15 mm
connection types	connector M8

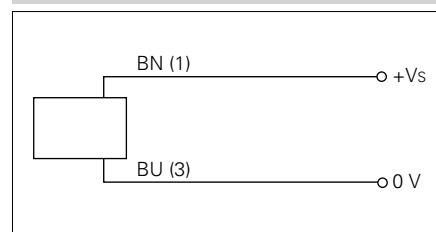
#### ambient conditions

operating temperature	0 ... +60 °C
protection class	IP 67

#### photo



#### connection diagram

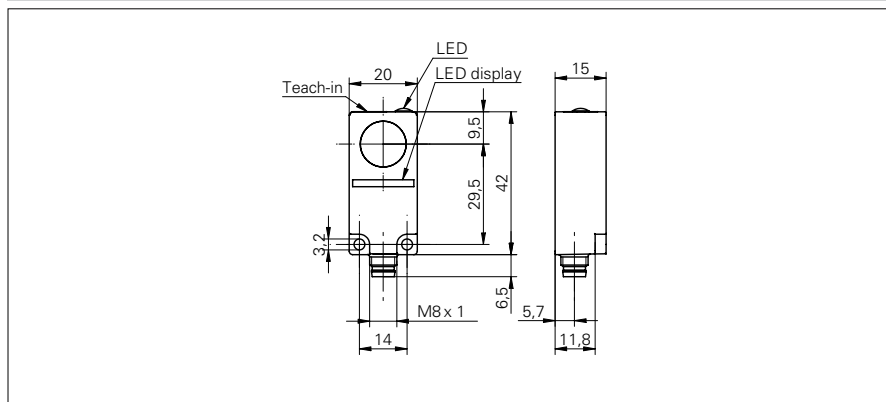


## Ultrasonic through beam sensors

## UEDK 20P6103/S35A

### Ultrasonic sensors

#### dimension drawing



#### general data

emitter / receiver	receiver
scanning range sd	0 ... 1000 mm
scanning range far limit Sde	0 ... 1000 mm
object size (at Sd = 50 mm)	> 2 cm <sup>2</sup>
hysteresis typ.	5 mm
repeat accuracy	< 3 mm
response time ton	< 5 ms
release time toff	< 5 ms
adjustment	Teach-in
alignment aid	target indication flashing
output indicator	LED green

#### electrical data

voltage supply range +Vs	15 ... 30 VDC
current consumption max. (no load)	30 mA
output circuit	PNP make function (NO)
output current	< 200 mA
voltage drop Vd	< 2 VDC
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes

#### mechanical data

type	rectangular
housing material	polyester
width / diameter	20 mm
height / length	42 mm
depth	15 mm
connection types	connector M8

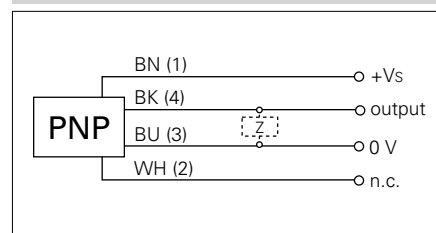
#### ambient conditions

operating temperature	0 ... +60 °C
protection class	IP 67

#### photo



#### connection diagram



- receiver with teach-in & LED display
- response time adjustable <= 5 ... 320 ms