

Please answer the following questions as completely as possible:

### 1. Pls. describe / make a sketch of your application

a) Industry / Customer

b) Factory / Plant

c) Sensor task

### 2. Description of the object to be detected:

a) Kind / material of the object

b) Shape / size of the object (min./max.)

c) Temperature min.  °C max.  °C

c) Object surface (color / rough or shiny)

### 3. How fast does the object move?

approx.  m/s

### 4. How large does the detection area need to be? (the area where the object can be found)

approx.  mm

### 5. How long will the object stay in the detection area of the sensor?

object is there for approx.  sec., then no object for approx.  sec.

always

### 6. Which distance do you need between sensor and object?

approx. min.  mm max.  mm

**7. Which is the expected ambient temperature at the sensor mounting location?**

approx. min.  °C max.  °C

**8. Which kind of sensor can be integrated into your unit?**

- Thru-beam light barrier (transmitter + receiver)? Distance transmitter / receiver  m
- Retro reflective barrier (Sensor + reflector)? Distance sensor/ reflector  m
- Diffuse sensor (one sensor only)?

**9. Do we have to expect interferences (vapour, water etc.) between sensor and object?**

- no  sometimes, what kind?  always, what kind?

**10. Environment at the sensor mounting location:**

- Pressure?  Moisture?  Chemical substances?

**11. Do we have to expect soiling / dirt at the sensor?**

- no  Yes, what kind?

**12. Is it possible to use scavenging air or cooling water?**

- air  water  no

**13. Which electrical version do you need?**

**a) supply voltage**

V AC  V DV

**b) switching behaviour**

- PNP  
 NPN  
 normally open  
 normally closed  
 Relais

**c) connection type**

- Connector  
 Cable  
length:

**14. Any prior sensor that has been tested or used in this application?**

- no  yes, kind / type of sensor, problems?

Thank you for taking your time.

### Your details?

Company:

Street, number:

ZIP code, city:

Phone:

Email:

Contact person: