

## Light Barrier

Please answer the following questions as completely as possible:



1. Please write brief description of your application :

Industry / Customer

Factory / Plant

Sensor task

2. Description of the object to be detected :

a) Material type

b) Size of the object

c) Object surface (shiny, rough, oxide, etc)

d) Temperature range

Min.  °C      Max.

3. What is the distance between object and sensor ?

approx min.  mm      approx max.  mm

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

approx min.  °C      approx max.  °C

5. Do we have to expect interferences between sensor and object ?

yes, what kind?       no

- vapour / steam
- molten splash
- fire ash
- heat radiation
- sparks
- flame protection
- dirt / dust

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6. How fast does the object move?

approx  m/s

7. What type 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)?

8. How long will the hot object stay in the detection area of the sensor ?

- a) object is there for approx  sec.                      b) always

9. Which electrical version do you need ?

a) supply voltage

V AC     V DC

b) switching behaviour

- PNP
- NPN
- Normally open
- Normally close
- relay

c) connection type

- connector
- cable
- length

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

- yes, type of sensor and problems (if any)                       no

Thank you for your valuable time

Your details?

a) Company	<input type="text"/>
b) Address	<input type="text"/>
c) Contact person	<input type="text"/>
d) Phone	<input type="text"/>
e) E-mail	<input type="text"/>