

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) Object surface (shiny, rough, oxide, etc.)
Emissivity, if known

d) Temperature min. °C max. °C

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. Maximum temperature in the detection area with no hot object inside?

approx. °C

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

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

b) always

7. Which distance do you need between sensor and object?

approx. min. mm max. mm

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

approx. °C

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

no

sometimes, what kind?

always, what kind?

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

no

Yes, what kind?

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

air

water

no

12. Which electrical version do you need?

a) supply voltage

V AC V DC

b) switching behaviour

- PNP
- NPN
- Normally open
- normally close
- Relais

c) connection type

connector

cable
length:

13. 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: