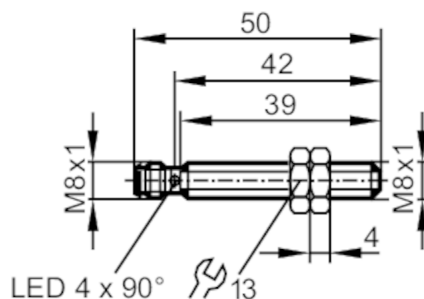


## Inductive sensor

IEA3001,4BPOG/AS-500-TPS

Article no longer available - archive entry



## Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | PNP             |
| Output function    | normally open   |
| Sensing range [mm] | 1.4             |
| Housing            | Threaded type   |
| Dimensions [mm]    | M8 x 1 / L = 50 |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Reverse polarity protection | no         |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 1             |
| Permanent current rating of switching output DC [mA] | 200           |
| Switching frequency DC [Hz]                          | 300           |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

## Monitoring range

|                            |            |
|----------------------------|------------|
| Sensing range [mm]         | 1.4        |
| Real sensing range Sr [mm] | 1.3 ± 10 % |
| Operating distance [mm]    | 1.05       |

## Accuracy / deviations

|                              |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| Correction factor            | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis [% of Sr]         | 1...15                                                                     |
| Switch-point drift [% of Sr] | -10...20                                                                   |

## Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -15...70 |
| Protection               | IP 65    |

# IE5244



## Inductive sensor

IEA3001,4BPOG/AS-500-TPS

| Mechanical data    |                                                 |
|--------------------|-------------------------------------------------|
| Housing            | Threaded type                                   |
| Mounting           | non-flush mountable                             |
| Dimensions [mm]    | M8 x 1 / L = 50                                 |
| Thread designation | M8 x 1                                          |
| Material           | housing: brass nickel-plated; sensing face: PBT |

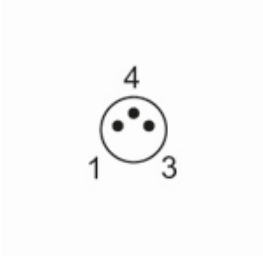
| Displays / operating elements |                  |                 |
|-------------------------------|------------------|-----------------|
| Display                       | Switching status | 1 x LED, yellow |

| Accessories    |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |

| Remarks       |        |
|---------------|--------|
| Pack quantity | 1 pcs. |

### Electrical connection - plug

Connector: 1 x M8; coding: A



### Connection

