

## Inductive sensor

IEA3001-APOG/PPU

Article no longer available - archive entry

Alternative articles: IE5122

When selecting an alternative article and accessories please note that technical data may differ!



## Product characteristics

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

## Electrical data

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

## Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | PNP             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 1               |
| Permanent current rating of switching output DC [mA] | 200             |
| Switching frequency DC [Hz]                          | 750             |
| Short-circuit protection                             | no              |
| Overload protection                                  | no              |

## Detection zone

|                               |              |
|-------------------------------|--------------|
| Sensing range [mm]            | 1            |
| Real sensing range $S_r$ [mm] | $1 \pm 10\%$ |
| Operating distance [mm]       | 0...0.8      |

## Accuracy / deviations

|                          |                                                                             |
|--------------------------|-----------------------------------------------------------------------------|
| Correction factor        | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis [X01]         | 1...15                                                                      |
| Switch point drift [X01] | -10...10                                                                    |

## Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...80 |
|--------------------------|----------|

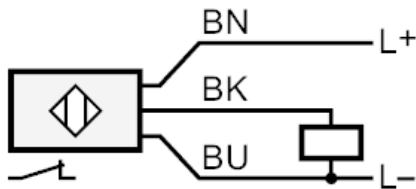
# IE5184



## Inductive sensor

IEA3001-APOG/PPU

|                                     |                                        |                 |
|-------------------------------------|----------------------------------------|-----------------|
| Protection                          | IP 67                                  |                 |
| Mechanical data                     |                                        |                 |
| Housing                             | threaded type                          |                 |
| Mounting                            | flush mountable                        |                 |
| Dimensions [mm]                     | M8 x 1 / L = 50                        |                 |
| Thread designation                  | M8 x 1                                 |                 |
| Materials                           | brass nickel-plated; sensing face: PBT |                 |
| Displays / operating elements       |                                        |                 |
| Display                             | switching status                       | 1 x LED, yellow |
| Аксессуары                          |                                        |                 |
| Items supplied                      | lock nuts: 2                           |                 |
| Remarks                             |                                        |                 |
| Pack quantity                       | 1 pcs.                                 |                 |
| Electrical connection               |                                        |                 |
| Cable: 2 m, PUR / PVC; 3 x 0.14 mm² |                                        |                 |
| Connection                          |                                        |                 |



|                |       |
|----------------|-------|
| Core colours : |       |
| BN =           | brown |
| BU =           | blue  |
| BK =           | black |