

# IE5231



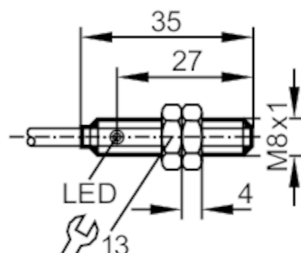
## Inductive sensor

IEC3002-APOG/6mPPU

Article no longer available - archive entry

Alternative articles: IE5104

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] | 2               |
| Housing            | Threaded type   |
| Dimensions [mm]    | M8 x 1 / L = 35 |

### 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]                          | 800             |
| Short-circuit protection                             | no              |
| Overload protection                                  | no              |

### Monitoring range

|                            |          |
|----------------------------|----------|
| Sensing range [mm]         | 2        |
| Real sensing range Sr [mm] | 2 ± 10 % |
| Operating distance [mm]    | 0...1.62 |

### 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...10   |

### Operating conditions

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

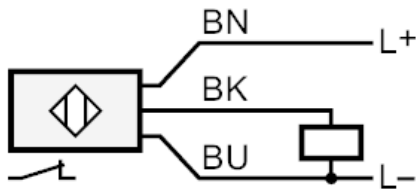
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## Inductive sensor

IEC3002-APOG/6mPPU

|                                     |                     |                 |
|-------------------------------------|---------------------|-----------------|
| Protection                          | IP 67               |                 |
| Mechanical data                     |                     |                 |
| Housing                             | Threaded type       |                 |
| Mounting                            | non-flush mountable |                 |
| Dimensions [mm]                     | M8 x 1 / L = 35     |                 |
| Thread designation                  | M8 x 1              |                 |
| Material                            | PBT                 |                 |
| Displays / operating elements       |                     |                 |
| Display                             | Switching status    | 1 x LED, yellow |
| Accessories                         |                     |                 |
| Items supplied                      | lock nuts: 2        |                 |
| Remarks                             |                     |                 |
| Pack quantity                       | 1 pcs.              |                 |
| Electrical connection               |                     |                 |
| Cable: 6 m, PUR / PVC; 3 x 0.14 mm² |                     |                 |
| Connection                          |                     |                 |



BN = Core colors : brown  
BU = blue  
BK = black