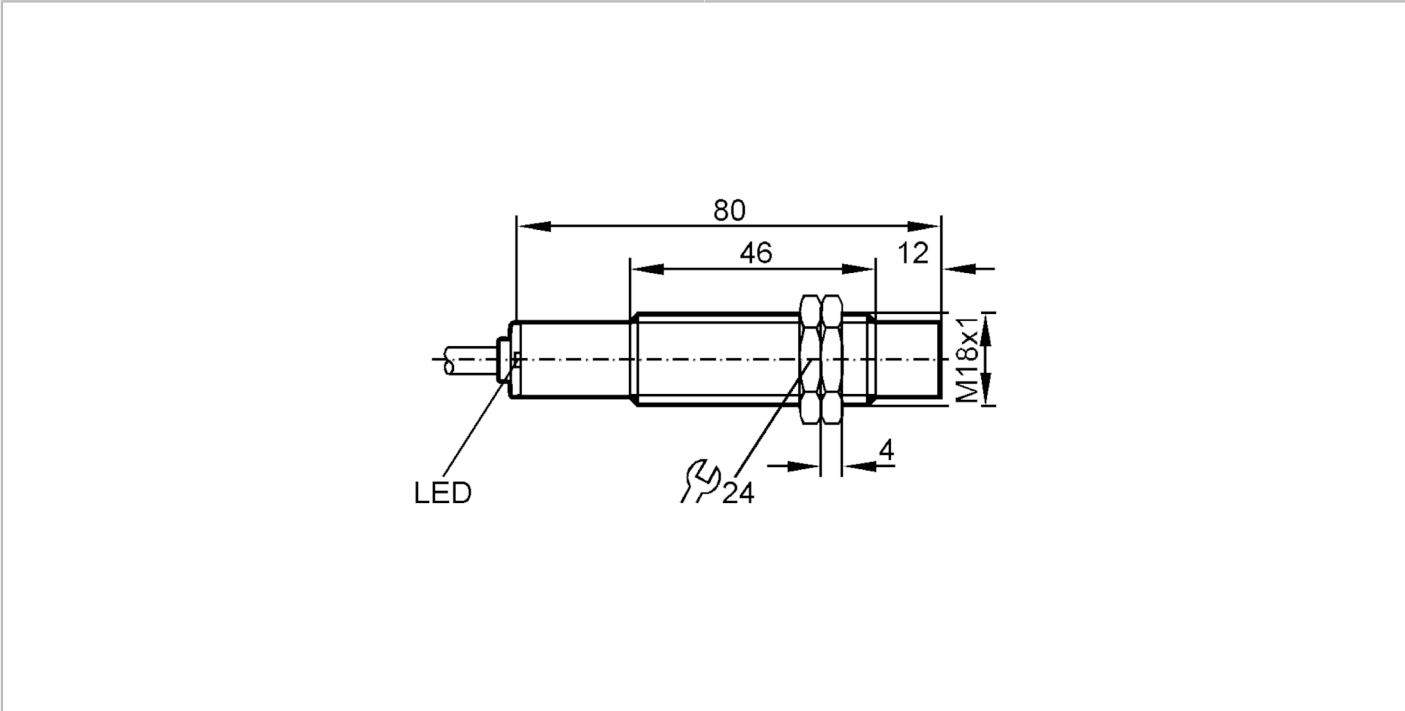




Inductive sensor

IGA3008-BPKG/V4A/6M     RT

Article no longer available - archive entry



| Product characteristics                         |      |                    |
|-------------------------------------------------|------|--------------------|
| Electrical design                               |      | PNP                |
| Output function                                 |      | normally open      |
| Sensing range                                   | [mm] | 8                  |
| Housing                                         |      | Threaded type      |
| Dimensions                                      | [mm] | M18 x 1            |
| Electrical data                                 |      |                    |
| Operating voltage                               | [V]  | 10...36 DC         |
| Current consumption                             | [mA] | 15; (24 V)         |
| Protection class                                |      | II                 |
| Reverse polarity protection                     |      | yes                |
| Outputs                                         |      |                    |
| Electrical design                               |      | PNP                |
| Output function                                 |      | normally open      |
| Max. voltage drop switching output DC           | [V]  | 2.5                |
| Permanent current rating of switching output DC | [mA] | 250                |
| Switching frequency DC                          | [Hz] | 500                |
| Short-circuit protection                        |      | yes                |
| Type of short-circuit protection                |      | yes (non-latching) |
| Overload protection                             |      | yes                |

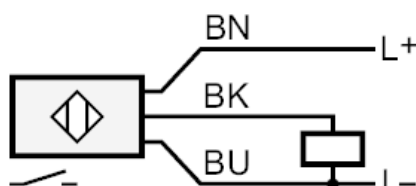
# IG5976



## Inductive sensor

IGA3008-BPKG/V4A/6M RT

| Monitoring range                         |                  |                                                                            |
|------------------------------------------|------------------|----------------------------------------------------------------------------|
| Sensing range                            | [mm]             | 8                                                                          |
| Real sensing range Sr                    | [mm]             | 8 ± 10 %                                                                   |
| Operating distance                       | [mm]             | 0...6.5                                                                    |
| Accuracy / deviations                    |                  |                                                                            |
| Correction factor                        |                  | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3 |
| Hysteresis                               | [% of Sr]        | 3...15                                                                     |
| Switch-point drift                       | [% of Sr]        | -10...10                                                                   |
| Operating conditions                     |                  |                                                                            |
| Ambient temperature                      | [°C]             | -25...80                                                                   |
| Protection                               |                  | IP 67                                                                      |
| Tests / approvals                        |                  |                                                                            |
| EMC                                      | EN 60947-5-2     |                                                                            |
|                                          | EN 55011         | class B                                                                    |
| Mechanical data                          |                  |                                                                            |
| Housing                                  |                  | Threaded type                                                              |
| Mounting                                 |                  | non-flush mountable                                                        |
| Dimensions                               | [mm]             | M18 x 1                                                                    |
| Thread designation                       |                  | M18 x 1                                                                    |
| Material                                 |                  | stainless steel (1.4571/316Ti ); PBT                                       |
| Displays / operating elements            |                  |                                                                            |
| Display                                  | Switching status | 1 x LED, red                                                               |
| Accessories                              |                  |                                                                            |
| Items supplied                           |                  | lock nuts: 2                                                               |
| Remarks                                  |                  |                                                                            |
| Pack quantity                            |                  | 1 pcs.                                                                     |
| Electrical connection                    |                  |                                                                            |
| Cable: 6 m, PVC; 3 x 0.5 mm <sup>2</sup> |                  |                                                                            |
| Connection                               |                  |                                                                            |



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