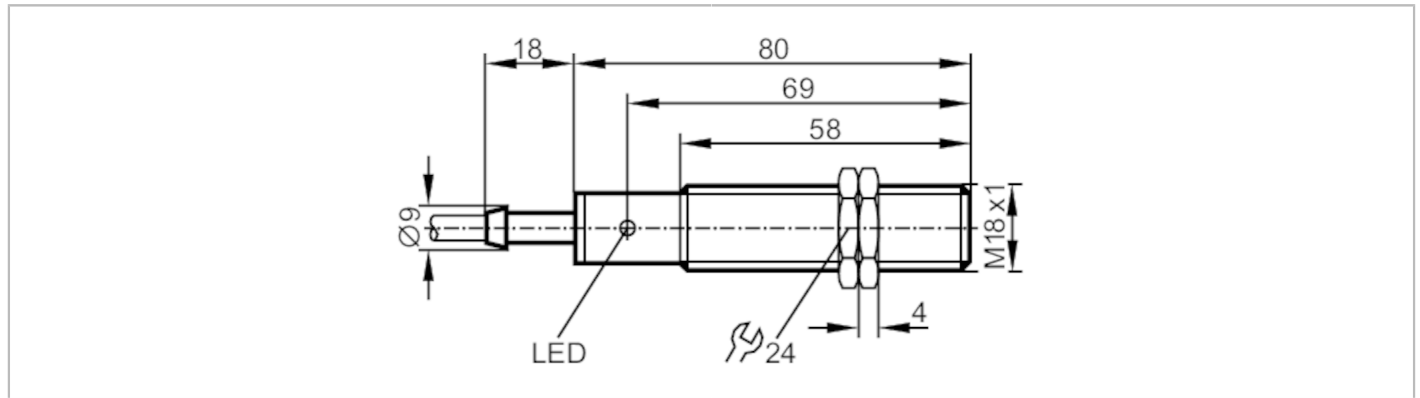


# IG5361



## Inductive sensor

IGA3005-ANKG



| Product characteristics                         |           |   |
|---|-----------|---|
| Electrical design                               |           | NPN   |
| Output function                                 |           | normally open   |
| Sensing range                                   | [mm]      | 5   |
| Housing   |           | threaded type   |
| Dimensions                                      | [mm]      | M18 x 1 / L = 80  |
| Electrical data                                 |           |   |
| Operating voltage                               | [V]       | 10...36 DC  |
| Current consumption                             | [mA]      | 15; (24 V)  |
| Protection class                                |           | II  |
| Reverse polarity protection                     |           | yes   |
| Outputs   |           |   |
| Electrical design                               |           | NPN   |
| 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                |           | pulsed  |
| Overload protection                             |           | yes   |
| Detection zone                                  |           |   |
| Sensing range                                   | [mm]      | 5   |
| Real sensing range Sr                           | [mm]      | 5 ± 10 %  |
| Operating distance                              | [mm]      | 0...4.05  |
| Accuracy / deviations                           |           |   |
| Correction factor                               |           | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis                                      | [% of Sr] | 1...15  |
| Switch point drift                              | [% of Sr] | -10...10  |

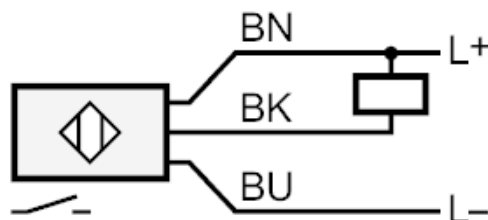
# IG5361



## Inductive sensor

IGA3005-ANKG

| Operating conditions                     |                  |                               |
|--|------------------|-------------------------------|
| Ambient temperature                      | [°C]             | -25...80                      |
| Protection                               |                  | IP 67                         |
| Tests / approvals                        |                  |                               |
| EMC                                      | EN 60947-5-2     |                               |
|  | EN 55011         | class B                       |
| MTTF                                     | [years]          | 1781                          |
| Mechanical data                          |                  |                               |
| Weight                                   | [g]              | 163.2                         |
| Housing                                  |                  | threaded type                 |
| Mounting                                 |                  | flush mountable               |
| Dimensions                               | [mm]             | M18 x 1 / L = 80              |
| Thread designation                       |                  | M18 x 1                       |
| Materials                                |                  | brass white bronze coated; PC |
| Displays / operating elements            |                  |                               |
| Display                                  | switching status | 1 x LED, yellow               |
| Accessories                              |                  |                               |
| Accessories (supplied)                   |                  | lock nuts: 2                  |
| Remarks                                  |                  |                               |
| Pack quantity                            |                  | 1 pcs.                        |
| Electrical connection                    |                  |                               |
| Cable: 2 m, PVC; 3 x 0.5 mm <sup>2</sup> |                  |                               |
| Connection                               |                  |                               |



Core colours :

- BN = brown
- BU = blue
- BK = black