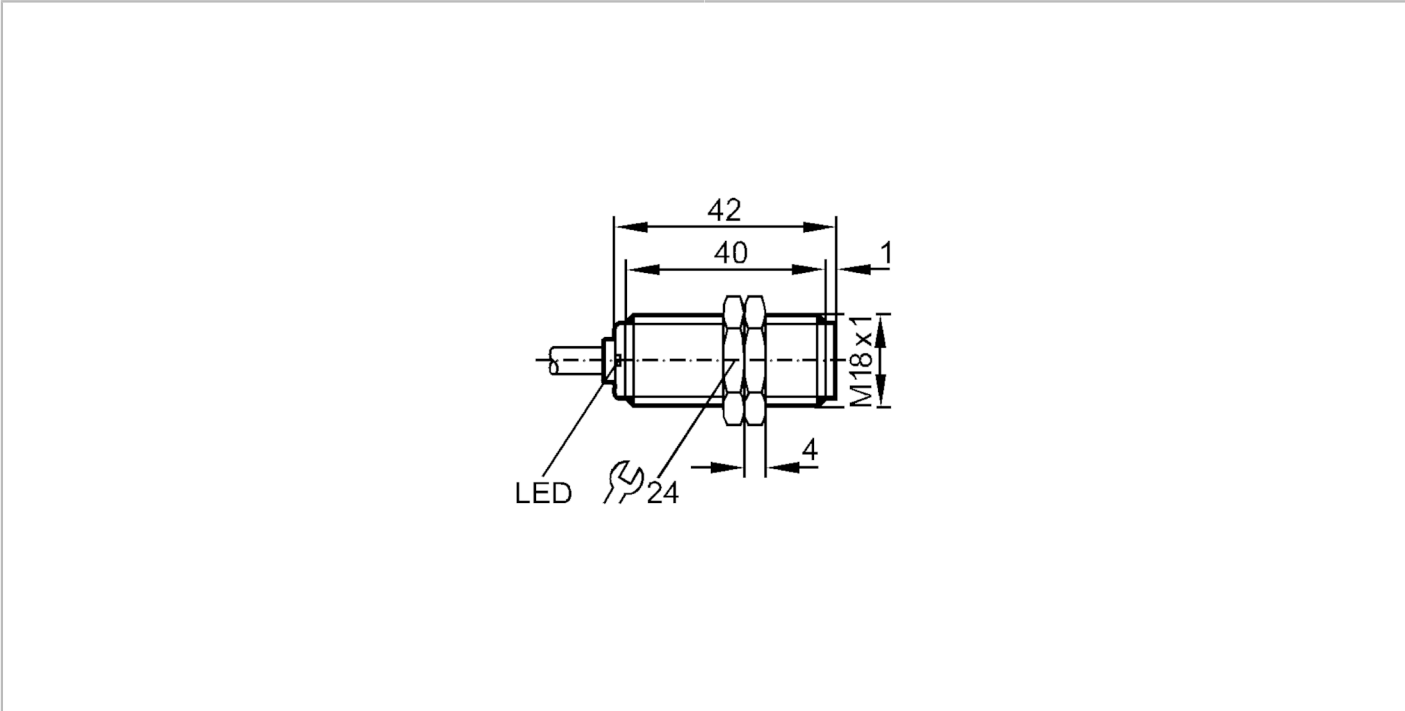




Inductive sensor

IGC3005-BPKG/ETFE-HUE/20M

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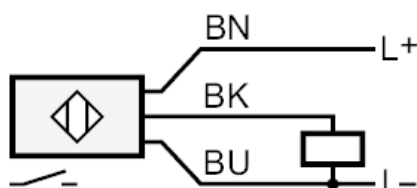
| Product characteristics                         |      |               |
|-------------------------------------------------|------|---------------|
| Electrical design                               |      | PNP           |
| Output function                                 |      | normally open |
| Sensing range                                   | [mm] | 5             |
| Housing                                         |      | threaded type |
| Dimensions                                      | [mm] | M18 x 1       |
| Electrical data                                 |      |               |
| Operating voltage                               | [V]  | 18...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] | 700           |
| Short-circuit protection                        |      | yes           |
| Type of short-circuit protection                |      | pulsed        |
| Overload protection                             |      | yes           |



## Inductive sensor

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| 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: 0.5 / aluminium: 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                                  |                  | flush mountable                                                             |
| Dimensions                                | [mm]             | M18 x 1                                                                     |
| Thread designation                        |                  | M18 x 1                                                                     |
| Materials                                 |                  | PP                                                                          |
| Displays / operating elements             |                  |                                                                             |
| Display                                   | switching status | 1 x LED, yellow                                                             |
| Accessories                               |                  |                                                                             |
| Items supplied                            |                  | lock nuts: 2                                                                |
| Remarks                                   |                  |                                                                             |
| Pack quantity                             |                  | 1 pcs.                                                                      |
| Electrical connection                     |                  |                                                                             |
| Cable: 20 m, PVC; 3 x 0.5 mm <sup>2</sup> |                  |                                                                             |
| Connection                                |                  |                                                                             |



Core colours :

BK = black

BN = brown

BU = blue