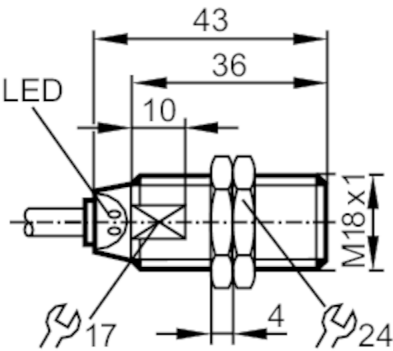




Inductive sensor

IGB2008BBROG/UP/6M/PH



Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | PNP/NPN          |
| Output function    | normally closed  |
| Sensing range [mm] | 8                |
| Housing            | Threaded type    |
| Dimensions [mm]    | M18 x 1 / L = 43 |

Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Protection class            | II         |
| Reverse polarity protection | no         |

Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | PNP/NPN         |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 5               |
| Minimum load current [mA]                            | 5               |
| Max. leakage current [mA]                            | 1               |
| Permanent current rating of switching output DC [mA] | 100             |
| Switching frequency DC [Hz]                          | 100             |
| Short-circuit protection                             | no              |
| Overload protection                                  | no              |

Monitoring range

|                    |   |
|--------------------|---|
| Sensing range [mm] | 8 |
|--------------------|---|

Accuracy / deviations

|                   |                                                                            |
|-------------------|----------------------------------------------------------------------------|
| Correction factor | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3 |
|-------------------|----------------------------------------------------------------------------|

Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...70 |
| Protection               | IP 67    |

Tests / approvals

|              |              |
|--------------|--------------|
| EMC          | EN 60947-5-2 |
| MTTF [years] | 2673         |

# IG5899



## Inductive sensor

IGB2008BBROG/UP/6M/PH

| Mechanical data    |      |                               |
|--------------------|------|-------------------------------|
| Weight             | [g]  | 303                           |
| Housing            |      | Threaded type                 |
| Mounting           |      | flush mountable               |
| Dimensions         | [mm] | M18 x 1 / L = 43              |
| Thread designation |      | M18 x 1                       |
| Material           |      | brass white bronze coated; PC |

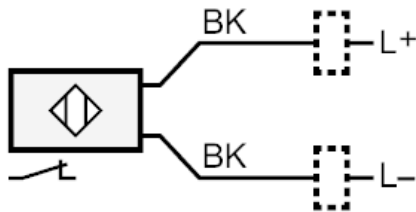
| Displays / operating elements |                  |              |
|-------------------------------|------------------|--------------|
| Display                       | Switching status | 1 x LED, red |

| Accessories    |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |

| Remarks       |        |
|---------------|--------|
| Pack quantity | 1 pcs. |

| Electrical connection                           |  |
|-------------------------------------------------|--|
| Cable: 6 m, PUR / PVC; 2 x 0.34 mm <sup>2</sup> |  |

| Connection |  |
|------------|--|
|------------|--|



BK = Core colors :  
black