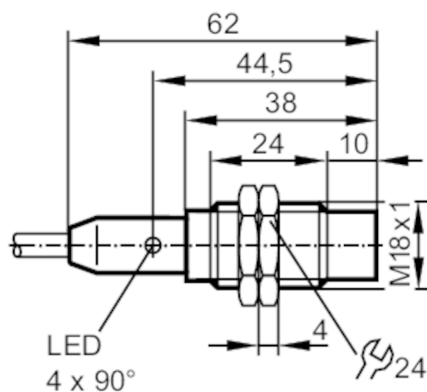


IGB3012-BPKG/M/V4A/6M/WH



|                    |                  |
|--------------------|------------------|
| Electrical design  | PNP              |
| Output function    | normally open    |
| Sensing range [mm] | 12               |
| Housing            | threaded type    |
| Dimensions [mm]    | M18 x 1 / L = 62 |

|                 |                            |
|-----------------|----------------------------|
| Special feature | Increased sensing range    |
| Application     | regular cleaning processes |

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...36 DC |
| Current consumption         | [mA] | < 10       |
| Protection class            |      | II         |
| Reverse polarity protection |      | yes        |

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 100           |
| Switching frequency DC [Hz]                          | 300           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

|                       |      |           |
|-----------------------|------|-----------|
| Sensing range         | [mm] | 12        |
| Real sensing range Sr | [mm] | 12 ± 10 % |
| Operating distance    | [mm] | 0...9.72  |



## Inductive sensor

IGB3012-BPKG/M/V4A/6M/WH

|                               |  |                                                                             |                         |
|-------------------------------|--|-----------------------------------------------------------------------------|-------------------------|
| Increased sensing range       |  | yes                                                                         |                         |
| Accuracy / deviations         |  |                                                                             |                         |
| Correction factor             |  | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |                         |
| Hysteresis [% of Sr]          |  | 1...20                                                                      |                         |
| Switch point drift [% of Sr]  |  | -10...10                                                                    |                         |
| Operating conditions          |  |                                                                             |                         |
| Ambient temperature [°C]      |  | 0...100                                                                     |                         |
| Protection                    |  | IP 68; IP 69K; ("COP")                                                      |                         |
| Tests / approvals             |  |                                                                             |                         |
| EMC                           |  | EN 61000-4-2 ESD                                                            | 4 kV CD / 8 kV AD       |
|                               |  | EN 61000-4-3 HF radiated                                                    | 10 V/m                  |
|                               |  | EN 61000-4-4 Burst                                                          | 2 kV                    |
|                               |  | EN 61000-4-5 Surge                                                          | 0,5 kV                  |
|                               |  | EN 61000-4-6 HF conducted                                                   | 10 V                    |
|                               |  | EN 55011                                                                    | class B                 |
| MTTF [years]                  |  | 1925                                                                        |                         |
| UL approval                   |  | Ta                                                                          | 0...40 °C               |
|                               |  | Enclosure type                                                              | Type 1                  |
|                               |  | power supply                                                                | Limited Voltage/Current |
|                               |  | File number UL                                                              | E174191                 |
| Mechanical data               |  |                                                                             |                         |
| Weight [g]                    |  | 270                                                                         |                         |
| Housing                       |  | threaded type                                                               |                         |
| Mounting                      |  | non-flush mountable                                                         |                         |
| Dimensions [mm]               |  | M18 x 1 / L = 62                                                            |                         |
| Thread designation            |  | M18 x 1                                                                     |                         |
| Materials                     |  | stainless steel (316L/1.4404); sensing face: PEEK                           |                         |
| Displays / operating elements |  |                                                                             |                         |
| Display                       |  | switching status                                                            | 4 x 90° LED, yellow     |
| Accessories                   |  |                                                                             |                         |
| Items supplied                |  | lock nuts: 2                                                                |                         |
| Remarks                       |  |                                                                             |                         |
| Pack quantity                 |  | 1 pcs.                                                                      |                         |

# IGT208



## Inductive sensor

IGB3012-BPKG/M/V4A/6M/WH

### Electrical connection

Cable: 6 m, PVC, Ø 4.9 mm; 3 x 0.34 mm<sup>2</sup>

### Connection



|      |                |
|------|----------------|
|      | Core colours : |
| BK = | black          |
| BN = | brown          |
| BU = | blue           |