

# IG5714



## Inductive sensor

IGC2008-ARKG/UP



### Electrical data

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

### Outputs

|                                                 |      |               |
|-------------------------------------------------|------|---------------|
| Electrical design                               |      | PNP/NPN       |
| Output function                                 |      | normally open |
| Max. voltage drop switching output DC           | [V]  | 4.6           |
| Minimum load current                            | [mA] | 4             |
| Max. leakage current                            | [mA] | 0.8           |
| Permanent current rating of switching output DC | [mA] | 150           |
| Switching frequency DC                          | [Hz] | 320           |
| Short-circuit protection                        |      | yes           |
| Type of short-circuit protection                |      | pulsed        |
| Overload protection                             |      | yes           |

### Detection zone

|                       |      |          |
|-----------------------|------|----------|
| 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: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis         | [% of Sr] | 1...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 |
| MTTF | [years] | 2583         |

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| Mechanical data    |      |                     |
|--------------------|------|---------------------|
| Weight             | [g]  | 117.4               |
| Housing            |      | threaded type       |
| Mounting           |      | non-flush mountable |
| Dimensions         | [mm] | M18 x 1 / L = 42    |
| Thread designation |      | M18 x 1             |
| Materials          |      | PBT                 |

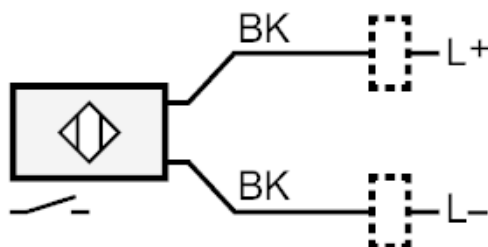
| Displays / operating elements |                  |                 |
|-------------------------------|------------------|-----------------|
| Display                       | switching status | 1 x LED, yellow |

| Accessories            |              |
|------------------------|--------------|
| Accessories (supplied) | lock nuts: 2 |

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

| Electrical connection                    |  |
|------------------------------------------|--|
| Cable: 2 m, PVC; 2 x 0.5 mm <sup>2</sup> |  |

### Connection



Core colours :  
BK = black