

## Inductive sensor

IFC-04-ARKG/V-L-S für Ventile

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## Product characteristics

|                   |      |                  |
|-------------------|------|------------------|
| Electrical design |      | PNP/NPN          |
| Output function   |      | normally open    |
| Sensing range     | [mm] | 4                |
| Housing           |      | threaded type    |
| Dimensions        | [mm] | M12 x 1 / L = 42 |

## Application

|              |  |                                      |
|--------------|--|--------------------------------------|
| Installation |  | for valves; (38...63,5 (NW 40...65)) |
|--------------|--|--------------------------------------|

## Electrical data

|                             |     |            |
|-----------------------------|-----|------------|
| Operating voltage           | [V] | 10...36 DC |
| Protection class            |     | III        |
| 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] | 0.6           |
| Permanent current rating of switching output DC | [mA] | 150           |
| Switching frequency DC                          | [Hz] | 1500          |
| Short-circuit protection                        |      | yes           |
| Type of short-circuit protection                |      | pulsed        |
| Overload protection                             |      | yes           |

## Detection zone

|                       |      |          |
|-----------------------|------|----------|
| Sensing range         | [mm] | 4        |
| Real sensing range Sr | [mm] | 4 ± 10 % |

# IF7008



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|                                      |                  |                                                                                                                                |
|--------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Operating distance                   | [mm]             | 0...3.25                                                                                                                       |
| <b>Accuracy / deviations</b>         |                  |                                                                                                                                |
| 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                                                                                                                       |
| <b>Operating conditions</b>          |                  |                                                                                                                                |
| Ambient temperature                  | [°C]             | -25...80                                                                                                                       |
| Protection                           |                  | IP 65                                                                                                                          |
| <b>Tests / approvals</b>             |                  |                                                                                                                                |
| EMC                                  | EN 60947-5-2     |                                                                                                                                |
|                                      | EN 55011         | class B                                                                                                                        |
| <b>Mechanical data</b>               |                  |                                                                                                                                |
| Weight                               | [g]              | 125                                                                                                                            |
| Housing                              |                  | threaded type                                                                                                                  |
| Mounting                             |                  | non-flush mountable                                                                                                            |
| Dimensions                           | [mm]             | M12 x 1 / L = 42                                                                                                               |
| Thread designation                   |                  | M12 x 1                                                                                                                        |
| Materials                            |                  | PBT; Target: stainless steel (304/1.4301)                                                                                      |
| <b>Displays / operating elements</b> |                  |                                                                                                                                |
| Display                              | switching status | 1 x LED, yellow                                                                                                                |
| <b>Accessories</b>                   |                  |                                                                                                                                |
| Items supplied                       |                  | lock nuts: 2                                                                                                                   |
|                                      |                  | Target                                                                                                                         |
| <b>Remarks</b>                       |                  |                                                                                                                                |
| Remarks                              |                  | Note:                                                                                                                          |
|                                      |                  | The sensors are adjusted with the enclosed target flag.                                                                        |
|                                      |                  | If an older type of target flag is used, there is a risk of mechanical damage to the sensor if they are not adjusted properly. |
| Pack quantity                        |                  | 1 pcs.                                                                                                                         |

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### Electrical connection - plug

Connector: 1 x valve plug type A DIN (DIN EN 175301-803)

