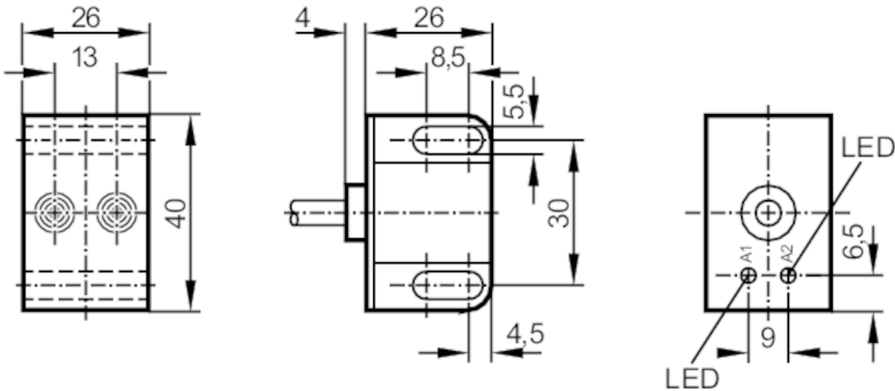


# IN5424



## Inductive dual sensor for valve actuators

IND3004UBPKG/2M/US-100-DPV



| Product characteristics                         |      |                       |
|-------------------------------------------------|------|-----------------------|
| Electrical design                               |      | PNP                   |
| Output function                                 |      | 2 x normally open     |
| Sensing range                                   | [mm] | 4                     |
| Housing                                         |      | rectangular           |
| Dimensions                                      | [mm] | 40 x 26 x 26          |
| Application                                     |      |                       |
| Special feature                                 |      | Magnetic-field immune |
| Magnetic-field immune                           |      | yes                   |
| Electrical data                                 |      |                       |
| Operating voltage                               | [V]  | 10...36 DC            |
| Current consumption                             | [mA] | < 15                  |
| Protection class                                |      | II                    |
| Reverse polarity protection                     |      | yes                   |
| Outputs                                         |      |                       |
| Electrical design                               |      | PNP                   |
| Output function                                 |      | 2 x normally open     |
| Max. voltage drop switching output DC           | [V]  | 2.5                   |
| Permanent current rating of switching output DC | [mA] | 250                   |
| Switching frequency DC                          | [Hz] | 1400                  |
| 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 %              |
| Operating distance                              | [mm] | 0...3.25              |



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IND3004UBPKG/2M/US-100-DPV

| Accuracy / deviations                                                                          |                                                                             |                     |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
| Correction factor                                                                              | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |                     |
| Hysteresis                                                                                     | [X01]                                                                       | 1...15              |
| Switch point drift                                                                             | [X01]                                                                       | -10...10            |
| Operating conditions                                                                           |                                                                             |                     |
| Ambient temperature                                                                            | [°C]                                                                        | -25...80            |
| Protection                                                                                     |                                                                             | IP 67               |
| Tests / approvals                                                                              |                                                                             |                     |
| EMC                                                                                            | EN 60947-5-2                                                                |                     |
| MTTF                                                                                           | [ANN]                                                                       | 1070                |
| Mechanical data                                                                                |                                                                             |                     |
| Weight                                                                                         | [g]                                                                         | 145                 |
| Housing                                                                                        |                                                                             | rectangular         |
| Mounting                                                                                       |                                                                             | non-flush mountable |
| Dimensions                                                                                     | [mm]                                                                        | 40 x 26 x 26        |
| Materials                                                                                      |                                                                             | PC                  |
| Displays / operating elements                                                                  |                                                                             |                     |
| Display                                                                                        | switching status                                                            | 2 x LED, yellow     |
| Remarks                                                                                        |                                                                             |                     |
| Pack quantity                                                                                  | 1 pcs.                                                                      |                     |
| Electrical connection - plug                                                                   |                                                                             |                     |
| Cable: 2 m, PVC; 4 x 0.34 mm²                                                                  |                                                                             |                     |
| Connector: 1 x M12; coding: A                                                                  |                                                                             |                     |
| <div></div> |                                                                             |                     |

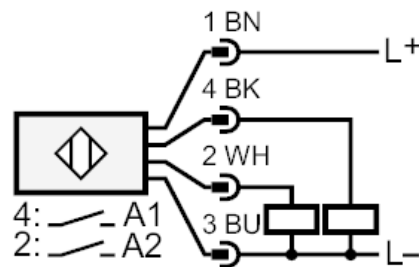
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## Inductive dual sensor for valve actuators

IND3004UBPKG/2M/US-100-DPV

### Connection



BN = brown  
BU = blue  
BK = black  
WH = white