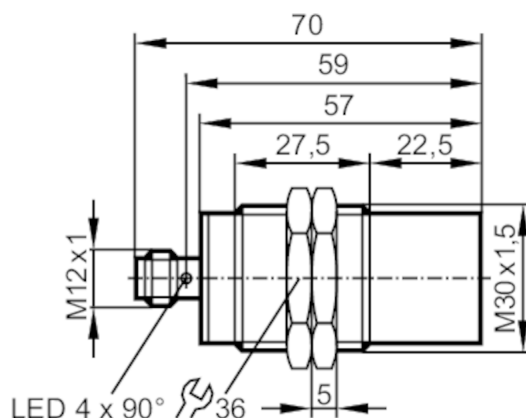


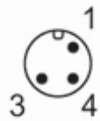
IIK3025-BPKG/AM/P/US-104-DPS





## Inductive full-metal sensor

IIK3025-BPKG/AM/P/US-104-DPS

| Operating conditions                                                                |                           |                                                                                                                                     |
|-------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature                                                                 | [°C]                      | 0...100                                                                                                                             |
| Protection                                                                          |                           | IP 65; IP 67; IP 68; IP 69K                                                                                                         |
| 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 61000-4-6 HF conducted | 10 V                                                                                                                                |
|                                                                                     | EN 55011 emission         | class B                                                                                                                             |
| Impact resistance                                                                   | DIN EN 60068-2-75 Ehc     | 1 J                                                                                                                                 |
| MTTF                                                                                | [years]                   | 740                                                                                                                                 |
| UL approval                                                                         | Ta                        | 0...40 °C                                                                                                                           |
|                                                                                     | Enclosure type            | Type 1                                                                                                                              |
|                                                                                     | voltage supply            | Limited Voltage/Current                                                                                                             |
|                                                                                     | File number UL            | E174191                                                                                                                             |
| Mechanical data                                                                     |                           |                                                                                                                                     |
| Weight                                                                              | [g]                       | 134.6                                                                                                                               |
| Housing                                                                             |                           | threaded type                                                                                                                       |
| Mounting                                                                            |                           | non-flush mountable                                                                                                                 |
| Dimensions                                                                          | [mm]                      | M30 x 1.5 / L = 70                                                                                                                  |
| Thread designation                                                                  |                           | M30 x 1.5                                                                                                                           |
| Materials                                                                           |                           | housing: stainless steel (1.4404 / 316L); sensing face: stainless steel (1.4404 / 316L); lock nuts: stainless steel (1.4404 / 316L) |
| Full-metal housing                                                                  |                           | yes                                                                                                                                 |
| Displays / operating elements                                                       |                           |                                                                                                                                     |
| Display                                                                             | switching status          | 4 x 90° LED, yellow                                                                                                                 |
| Accessories                                                                         |                           |                                                                                                                                     |
| Accessories (supplied)                                                              |                           | lock nuts: 2                                                                                                                        |
| Remarks                                                                             |                           |                                                                                                                                     |
| Pack quantity                                                                       |                           | 1 pcs.                                                                                                                              |
| Electrical connection - plug                                                        |                           |                                                                                                                                     |
| Connector: 1 x M12; Contacts: gold-plated                                           |                           |                                                                                                                                     |
|  |                           |                                                                                                                                     |

## Inductive full-metal sensor

IIK3025-BPKG/AM/P/US-104-DPS

### Connection



### Diagrams and graphs

#### Installation

