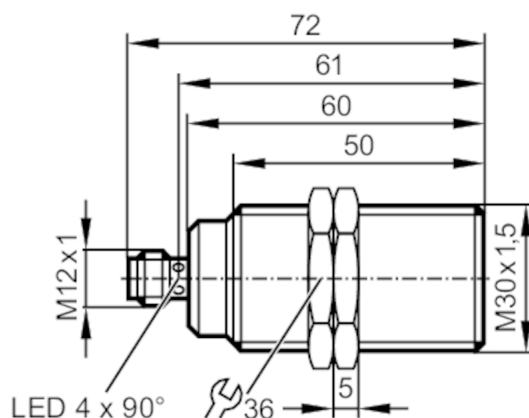


## Inductive sensor

KIT, II5742 + W94005



## Product characteristics

|                    |                    |
|--------------------|--------------------|
| Electrical design  | PNP                |
| Output function    | normally open      |
| Sensing range [mm] | 15                 |
| Housing            | threaded type      |
| Dimensions [mm]    | M30 x 1.5 / L = 72 |

## Application

|                 |                         |
|-----------------|-------------------------|
| Special feature | Increased sensing range |
|-----------------|-------------------------|

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 250           |
| Switching frequency DC [Hz]                          | 250           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

## Detection zone

|                         |          |
|-------------------------|----------|
| Sensing range [mm]      | 15       |
| Operating distance [mm] | 0...12.1 |
| Increased sensing range | yes      |

## Accuracy / deviations

|                   |                                                                             |
|-------------------|-----------------------------------------------------------------------------|
| Correction factor | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
|-------------------|-----------------------------------------------------------------------------|



## Inductive sensor

KIT, II5742 + W94005

|            |           |        |
|------------|-----------|--------|
| Hysteresis | [% of Sr] | 1...15 |
|------------|-----------|--------|

## Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...70 |
|---------------------|------|----------|

|            |       |
|------------|-------|
| Protection | IP 67 |
|------------|-------|

## Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

## Mechanical data

|        |     |         |
|--------|-----|---------|
| Weight | [g] | 362.874 |
|--------|-----|---------|

|         |               |
|---------|---------------|
| Housing | threaded type |
|---------|---------------|

|          |                 |
|----------|-----------------|
| Mounting | flush mountable |
|----------|-----------------|

|            |      |                    |
|------------|------|--------------------|
| Dimensions | [mm] | M30 x 1.5 / L = 72 |
|------------|------|--------------------|

|                    |           |
|--------------------|-----------|
| Thread designation | M30 x 1.5 |
|--------------------|-----------|

|           |                                           |
|-----------|-------------------------------------------|
| Materials | brass white bronze coated; PBT uncoloured |
|-----------|-------------------------------------------|

## Displays / operating elements

|         |                  |                     |
|---------|------------------|---------------------|
| Display | switching status | 4 x 90° LED, yellow |
|---------|------------------|---------------------|

## Accessories

|                |                   |
|----------------|-------------------|
| Items supplied | lock nuts: 2      |
|                | socket: 1, W94005 |

## Remarks

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

## Electrical connection - plug

Connector: 1 x M12; coding: A



## Connection

