# IM3500

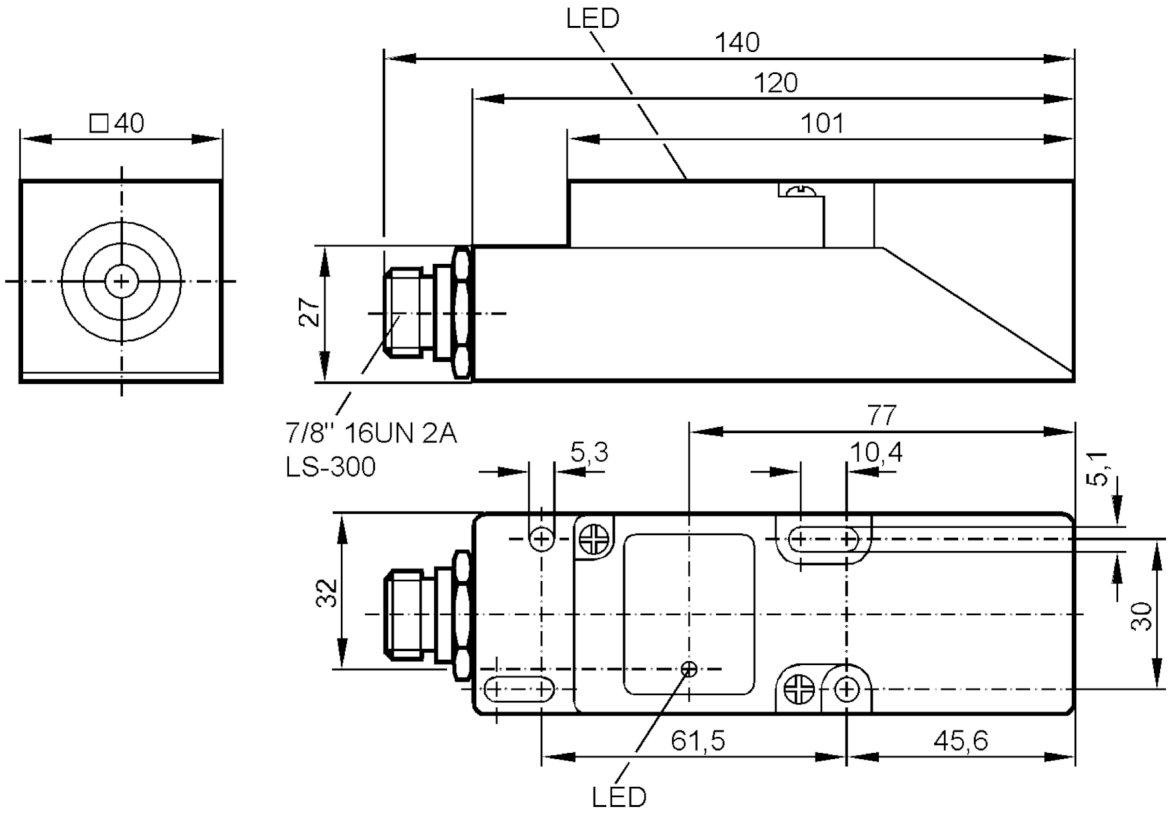
## Inductive sensor

IME2015BFBOA/LS300L

phase-out article

Alternative articles: IM0011

When selecting an alternative article and accessories please note that technical data may differ!




CE

| | | |
|---|---|---|
| **Product characteristics** | | |
| Output function | | normally open / normally closed; (selectable) |
| Sensing range | [mm] | 15 |
| Housing | | rectangular |
| Dimensions | [mm] | 40 x 40 x 120 |
| **Electrical data** | | |
| Frequency AC | [Hz] | 47...63 |
| Operating voltage | [V] | 20...250 AC/DC |
| Protection class | | II |
| Reverse polarity protection | | no |
| **Outputs** | | |
| Output function | | normally open / normally closed; (selectable) |
| Max. voltage drop switching output DC | [V] | 6 |
| Max. voltage drop switching output AC | [V] | 6.5 |
| Minimum load current | [mA] | 5 |

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**IME2015BFBOA/LS300L**

| | | | |
|---|---|---|---|
| Max. leakage current | [mA] | 2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC) | |
| Permanent current rating of switching output AC | [mA] | 250;  (350 (...50 °C)) | |
| Permanent current rating of switching output DC | [mA] | 100 | |
| Short-time current rating of switching output | [mA] | 2200;  (20 ms / 0,5 Hz) | |
| Switching frequency AC | [Hz] | 20 | |
| Switching frequency DC | [Hz] | 55 | |
| Short-circuit protection | | no | |
| Overload protection | | no | |
| **Detection zone** | | | |
| Sensing range | [mm] | 15 | |
| Real sensing range Sr | [mm] | 15 ± 10 % | |
| Operating distance | [mm] | 0...12.1 | |
| **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 65 | |
| **Tests / approvals** | | | |
| EMC | | EN 60947-5-2 | |
| | | EN 55011 | class B |
| MTTF | [years] | 603 | |
| **Mechanical data** | | | |
| Weight | [g] | 235 | |
| Housing | | rectangular | |
| Mounting | | flush mountable | |
| Dimensions | [mm] | 40 x 40 x 120 | |
| Materials | | PPE | |
| **Displays / operating elements** | | | |
| Display | | switching status | 1 x LED, red |
| **Remarks** | | | |
| Remarks | | 5 positions of the active zone possible | |
| Pack quantity | | 1 pcs. | |

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## Electrical connection - plug

Connector: 1 x 7/8"; coding: A

