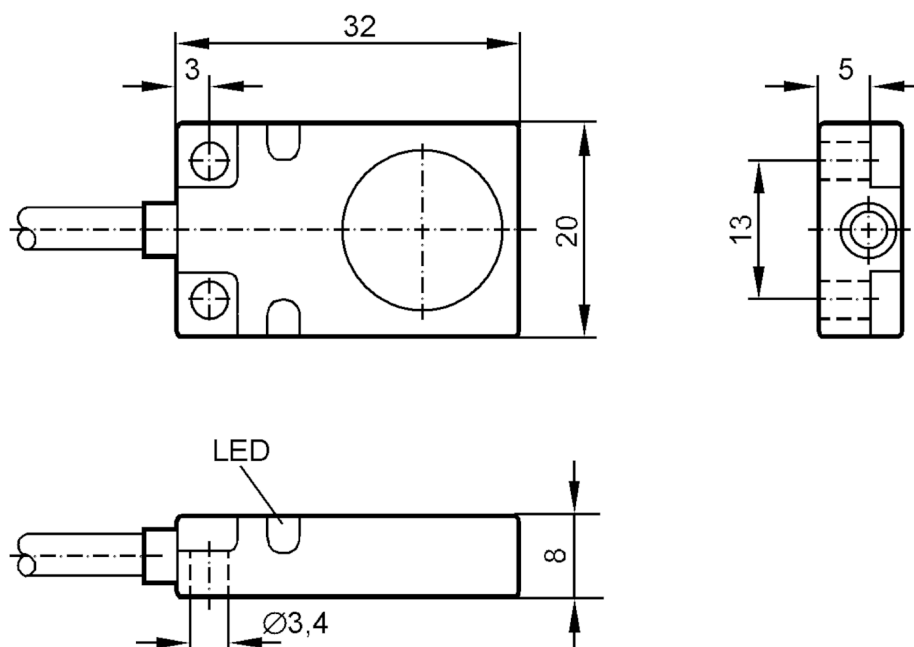




## Pressure-resistant position sensor

I9-3005UBPKG/0,3MVH/US-100-DPS

Article no longer available - archive entry



### Product characteristics

|                   |      |               |
|-------------------|------|---------------|
| Electrical design |      | PNP           |
| Output function   |      | normally open |
| Sensing range     | [mm] | 5             |
| Housing           |      | rectangular   |
| Dimensions        | [mm] | 32 x 20 x 8   |

### Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...30 DC |
| Current consumption         | [mA] | < 10       |
| Protection class            |      | II         |
| Reverse polarity protection |      | yes        |

### Outputs

|                                                 |      |                    |
|-------------------------------------------------|------|--------------------|
| Electrical design                               |      | PNP                |
| Output function                                 |      | normally open      |
| Max. voltage drop switching output DC           | [V]  | 1.8                |
| Permanent current rating of switching output DC | [mA] | 100                |
| Switching frequency DC                          | [Hz] | 300                |
| Short-circuit protection                        |      | yes                |
| Type of short-circuit protection                |      | yes (non-latching) |
| Overload protection                             |      | yes                |

### Monitoring range

|               |      |   |
|---------------|------|---|
| Sensing range | [mm] | 5 |
|---------------|------|---|



Pressure-resistant position sensor

I9-3005UBPKG/0,3MVH/US-100-DPS

|                       |      |          |
|-----------------------|------|----------|
| Real sensing range Sr | [mm] | 5 ± 10 % |
| Operating distance    | [mm] | 0...4.05 |

|                       |           |                                                                            |
|-----------------------|-----------|----------------------------------------------------------------------------|
| Accuracy / deviations |           |                                                                            |
| Correction factor     |           | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis            | [% of Sr] | 3...15                                                                     |
| Switch-point drift    | [% of Sr] | -15...15                                                                   |

|                      |      |          |
|----------------------|------|----------|
| Operating conditions |      |          |
| Ambient temperature  | [°C] | -25...70 |
| Protection           |      | IP 67    |

|                   |              |  |
|-------------------|--------------|--|
| Tests / approvals |              |  |
| EMC               | EN 60947-5-2 |  |

|                 |      |                          |
|-----------------|------|--------------------------|
| Mechanical data |      |                          |
| Housing         |      | rectangular              |
| Mounting        |      | flush mountable          |
| Dimensions      | [mm] | 32 x 20 x 8              |
| Material        |      | diecast zinc; PA 12-GF30 |

|                               |                  |                 |
|-------------------------------|------------------|-----------------|
| Displays / operating elements |                  |                 |
| Display                       | Switching status | 1 x LED, yellow |
|                               | Power            | 1 x LED, green  |

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

Electrical connection - plug

Cable: 2 m, PVC; cross-linked; 3 x 0.34 mm²

Connector: 1 x M12; coding: A



Connection

