

IN5217



Inductive sensor

IN-3004-BPKG/Sonderkabel

Article no longer available - archive entry



- 1 mounting hole
- 2 threaded bush M3 Depth 5.8 mm



| Product characteristics                         |      |               |
|-------------------------------------------------|------|---------------|
| Electrical design                               |      | PNP           |
| Output function                                 |      | normally open |
| Sensing range                                   | [mm] | 4             |
| Housing                                         |      | rectangular   |
| Dimensions                                      | [mm] | 40 x 12 x 26  |
| 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] | 1300          |
| 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 %      |

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|                    |      |          |
|--------------------|------|----------|
| Operating distance | [mm] | 0...3.25 |
|--------------------|------|----------|

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 67    |

Tests / approvals

|      |         |              |         |
|------|---------|--------------|---------|
| EMC  |         | EN 60947-5-2 |         |
|      |         | EN 55011     | class B |
| MTTF | [years] |              | 1925    |

Mechanical data

|            |      |                     |
|------------|------|---------------------|
| Housing    |      | rectangular         |
| Mounting   |      | non-flush mountable |
| Dimensions | [mm] | 40 x 12 x 26        |
| Materials  |      | PBT                 |

|                   |      |       |
|-------------------|------|-------|
| Mounting hole     |      |       |
| Tightening torque | [Nm] | < 0.5 |

|                   |      |                                                        |
|-------------------|------|--------------------------------------------------------|
| Threaded bush     |      |                                                        |
| Tightening torque | [Nm] | < 1.2; (when brass insert in contact with counterpart) |

Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

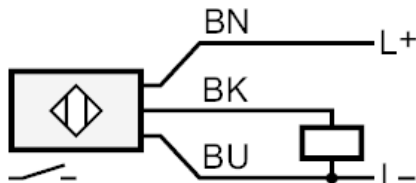
Remarks

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

Electrical connection

Cable: 3 m, PVC; 3 x 0.5 mm²

Connection



|      |                |
|------|----------------|
|      | Core colours : |
| BN = | brown          |
| BU = | blue           |
| BK = | black          |