



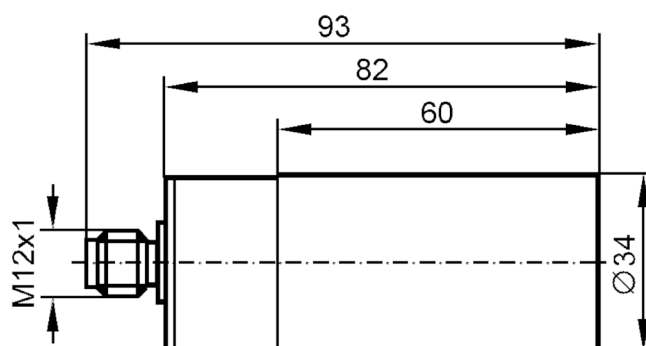
## Inductive sensor

IB-3030-BPKG/US-100-DPS

Article no longer available - archive entry

Alternative articles: IB5125

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



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 30            |
| Housing            | cylindrical   |
| Dimensions [mm]    | Ø 34          |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| Current consumption [mA]    | 5; (24 V)  |
| 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]                          | 7             |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

# IB5117



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| Detection zone                                                                      |              |                                                                             |
|-------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------|
| Sensing range                                                                       | [mm]         | 30                                                                          |
| Real sensing range Sr                                                               | [mm]         | 30 ± 10 %                                                                   |
| Operating distance                                                                  | [mm]         | 0...24.3                                                                    |
| Accuracy / deviations                                                               |              |                                                                             |
| Correction factor                                                                   |              | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3 |
| 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                                                                     |
| Mechanical data                                                                     |              |                                                                             |
| Housing                                                                             |              | cylindrical                                                                 |
| Mounting                                                                            |              | non-flush mountable                                                         |
| Dimensions                                                                          | [mm]         | Ø 34                                                                        |
| Materials                                                                           |              | PBT                                                                         |
| Accessories                                                                         |              |                                                                             |
| Items supplied                                                                      |              | Mounting clamps: 1                                                          |
| Remarks                                                                             |              |                                                                             |
| Pack quantity                                                                       |              | 1 pcs.                                                                      |
| Electrical connection - plug                                                        |              |                                                                             |
| Connector: 1 x M12; coding: A                                                       |              |                                                                             |
|  |              |                                                                             |

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### Connection

