

## IN306050

### Inductive sensors • Increased ambient temperature

sensor inductive, M30x1.5 79long, Non-flush, Sn: 13, 0-230°C, Other Anschluss an Verstärker, Connector M12 3m Polytetrafluorethylene (PTFE), IP50, Stainless steel 1.4305

including 2x Nut



Inductive proximity switches are contact-free sensors. They detect all conductive metals, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or frontally. Inductive proximity switches are used for presence detection (e.g. goods carriers), positioning (e.g. dampers), counting (e.g. nuts /bolts), speed detection (e.g. for cog wheels), on conveyor systems (e.g. hose feedings) or distance measurements (e.g. press-in checking) of metallic objects.

#### Electrical features

|                               |               |
|-------------------------------|---------------|
| Type of switching function    | Amplifier     |
| Type of electrical connection | Connector M12 |
| Type of switching output      | other         |
| Relative hysteresis           | 15%           |
| Switching distance            | 13mm          |
| Switching frequency           | 150Hz         |
| Connection to amplifier       | Yes           |

#### Mechanical features

|                                          |                        |
|------------------------------------------|------------------------|
| Alignment of cable entry                 | axial                  |
| Design                                   | Cylinder, screw-thread |
| Thread length                            | 60mm                   |
| Thread pitch                             | 1.5mm                  |
| Cable length                             | 3m                     |
| Cable infeed                             | axial                  |
| Length                                   | 79mm                   |
| Mechanical mounting condition for sensor | non-flush              |
| Degree of protection (IP)                | IP50                   |
| Active area material of sensor           | Plastic (Vectra®)      |
| Housing material                         | Stainless steel 1.4305 |
| Material of cable sheath                 | Plastic (PTFE)         |
| Thread dimension                         | M30                    |
| Ambient temperature                      | 0 - 230°C              |

#### Other features

|                           |                                          |
|---------------------------|------------------------------------------|
| Reference medium / object | Standard measuring plate FE360 30x30x1mm |
| Ambient temperature       | 0 - 230°C                                |

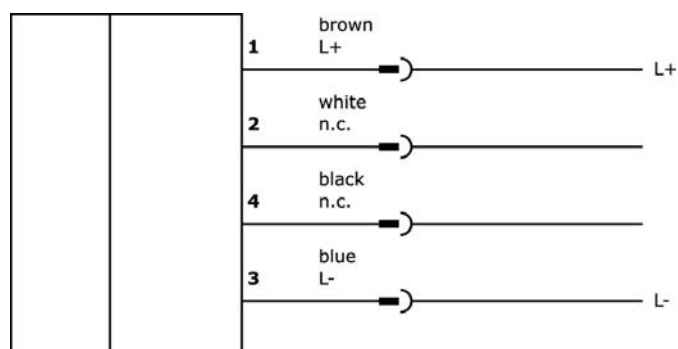
## Classification

|        |                                     |
|--------|-------------------------------------|
| ETIM 8 | EC002714 Inductive proximity switch |
|--------|-------------------------------------|

## More

|                       |                                          |
|-----------------------|------------------------------------------|
| IPF Product Group     | 202 inductive sensors (high temperature) |
| packaging dimensions  | 149 x 124 x 35 mm                        |
| gross weight          | 260 g                                    |
| Customs tariff number | 85365019                                 |
| WEEE number           | 40951076                                 |
| Reach-compliant       | Yes                                      |
| RoHS-compliant        | Yes                                      |

## Connection



## Installation



Mounting / installation may only be carried out by a qualified electrician!

## Disposal



## Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

Never use these devices in applications where the safety of a person depends on their functionality.

For suitable connection and mounting accessories, please refer to our website [www.ipf-electronic.com](http://www.ipf-electronic.com).

**Dimensional drawing**

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