

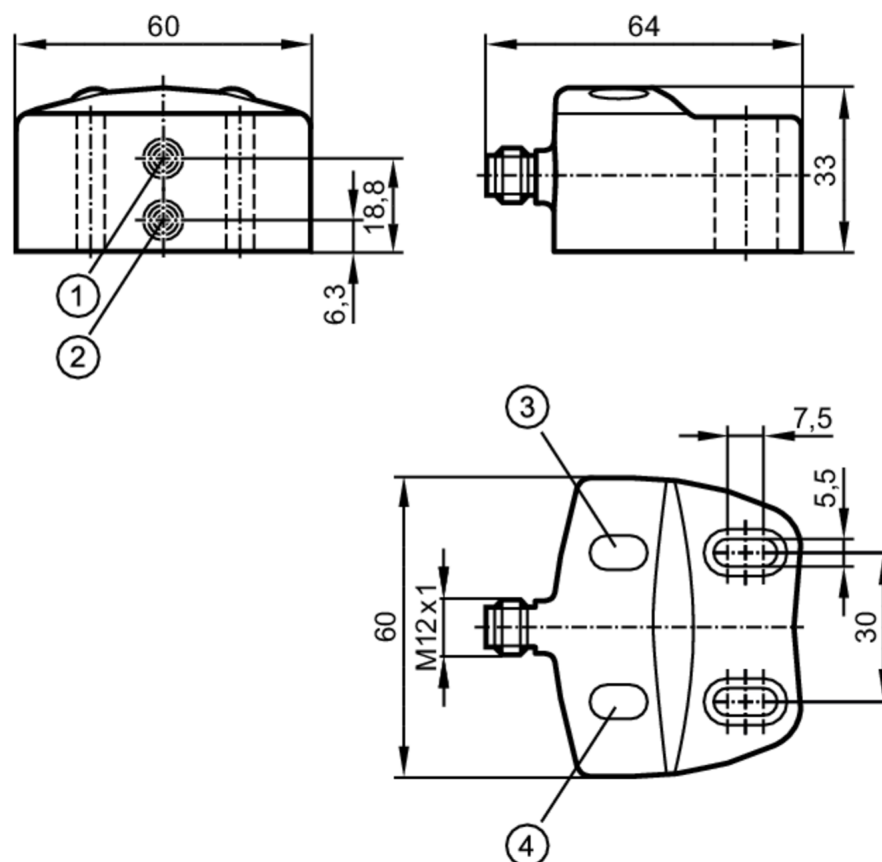
# IN5411



## Inductive sensor

INV2004DARKG/US

Article no longer available - archive entry



- 1 sensor 1
- 2 sensor 2
- 3 LED OUT 1
- 4 LED OUT 2



### Product characteristics

|                    |                   |
|--------------------|-------------------|
| Electrical design  | PNP/NPN           |
| Output function    | 2 x normally open |
| Sensing range [mm] | 4                 |
| Housing            | rectangular       |
| Dimensions [mm]    | 33 x 60 x 64      |

### Electrical data

|                             |                         |
|-----------------------------|-------------------------|
| Operating voltage [V]       | 10...30 DC; (; to PELV) |
| Protection class            | III                     |
| Reverse polarity protection | yes                     |

### Outputs

|                                           |                   |
|-------------------------------------------|-------------------|
| Electrical design                         | PNP/NPN           |
| Output function                           | 2 x normally open |
| Max. voltage drop switching output DC [V] | 4.6               |

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|                                                 |      |        |
|-------------------------------------------------|------|--------|
| Minimum load current                            | [mA] | 4      |
| Max. leakage current                            | [mA] | 0.8    |
| Permanent current rating of switching output DC | [mA] | 100    |
| Switching frequency DC                          | [Hz] | 500    |
| 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 % |
| Operating distance    | [mm] | 0...3.25 |

| Accuracy / deviations |           |                                                                             |
|-----------------------|-----------|-----------------------------------------------------------------------------|
| Correction factor     |           | steel: 1 / stainless steel: 0.7 / brass: 0.5 / 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 67    |

| Tests / approvals |              |         |
|-------------------|--------------|---------|
| EMC               | EN 60947-5-2 |         |
|                   | EN 55011     | class B |

| Mechanical data |      |                                                               |
|-----------------|------|---------------------------------------------------------------|
| Housing         |      | rectangular                                                   |
| Mounting        |      | non-flush mountable                                           |
| Dimensions      | [mm] | 33 x 60 x 64                                                  |
| Materials       |      | housing: PA; screws: stainless steel; washer: stainless steel |

| Displays / operating elements |                  |                 |
|-------------------------------|------------------|-----------------|
| Display                       | switching status | 2 x LED, yellow |

| Accessories    |  |                              |
|----------------|--|------------------------------|
| Items supplied |  | washers: 2                   |
|                |  | cylinder screws: 2 x M5 x 18 |

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

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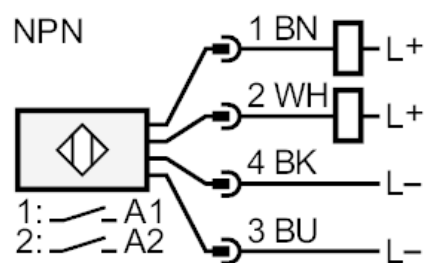
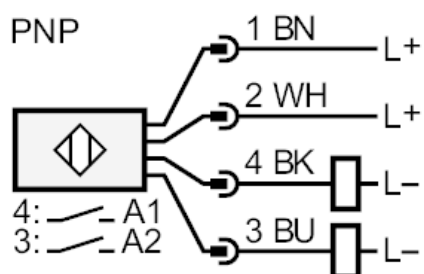


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### Electrical connection - plug

Connector: 1 x M12; coding: A



BK =  
BN =  
BU =  
WH =

Core colours :  
black  
brown  
blue  
white