

# Индуктивные датчики IAS-30-A12-N-StEx, IAS-30-A22-N-StEx, IAS-30-M13-N-StEx Технические характеристики

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## Inductive Sensors Series 30 - NAMUR EN 60947-5-6

Housing M 12 x 1

- Housing material: Brass
- For use in areas with the risk of gas explosion, zone 0
- For use in areas with the risk of dust explosion, zone 20
- Sensing distance  $S_n = 2$  mm

Certificates:



DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

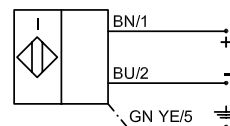
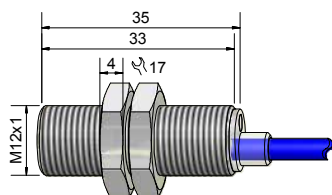
Ex II 1D Ex ia IIIC T101°C Da

Ex ia IIIC T101°C Da

### Technical data

Flush mountable

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| Operating distance $S_n$              | 2 mm                              |
| Electrical version                    | 2-wire DC                         |
| Output                                | NAMUR EN 60947-5-6                |
| Type                                  | IAS-30-A12-N-StEx                 |
| Art.-No.                              | IA 0091                           |
| Operating voltage ( $U_B$ )           | 5 - 15 V DC, $U_i = 15$ V DC      |
| Output current active surface free    | > typ. 2 mA                       |
| Output current active surface covered | < typ. 1.5 mA                     |
| Self-inductance (L)                   | 2 mH                              |
| Self-capacitance (C)                  | 250 nF                            |
| Permitted residual ripple max.        | 5 %                               |
| Frequency of operating cycles max.    | 1.5 kHz                           |
| Permitted ambient temperature         | -20...+90 °C                      |
| LED-display                           | Yellow                            |
| Degree of protection IEC 60529        | IP 67                             |
| Connection cable                      | 2 m PVC, 3 x 0.14 mm <sup>2</sup> |
| Housing material                      | Brass                             |
| Active surface                        | PTFE (FDA 21 CFR 177.1550)        |
| Lid                                   | PC (FDA 21 CFR 177.1580)          |





## Inductive Sensors Series 30 - NAMUR EN 60947-5-6

Housing M 12 x1

- Housing material: Brass
- For use in areas with the risk of gas explosion, zone 0
- For use in areas with the risk of dust explosion, zone 20
- Sensing distance  $S_n = 4 \text{ mm}$

Certificates:



DMT 03 ATEX E 048

IECEX BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

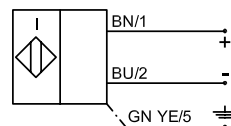
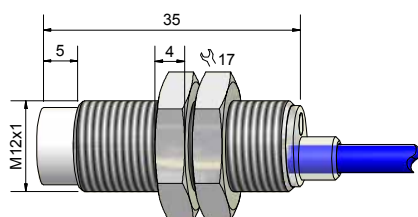
Ex II 1D Ex ia IIIC T101°C Da

Ex ia IIIC T101°C Da

### Technical data

Non-flush mountable

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| Operating distance $S_n$              | 4 mm                                 |
| Electrical version                    | 2-wire DC                            |
| Output                                | NAMUR EN 60947-5-6                   |
| <b>Type</b>                           | <b>IAS-30-A22-N-StEx</b>             |
| <b>Art.-No.</b>                       | <b>IA 0090</b>                       |
| Operating voltage ( $U_B$ )           | 5 - 15 V DC, $U_i = 15 \text{ V DC}$ |
| Output current active surface free    | > typ. 2 mA                          |
| Output current active surface covered | < typ. 1.5 mA                        |
| Self-inductance (L)                   | 2 mH                                 |
| Self-capacitance (C)                  | 250 nF                               |
| Permitted residual ripple max.        | 5 %                                  |
| Frequency of operating cycles max.    | 1.5 kHz                              |
| Permitted ambient temperature         | -20...+90 °C                         |
| LED-display                           | Yellow                               |
| Degree of protection IEC 60529        | IP 67                                |
| Connection cable                      | 2 m PVC, 3 x 0.14 mm <sup>2</sup>    |
| Housing material                      | Brass                                |
| Active surface                        | PTFE (FDA 21 CFR 177.1550)           |
| Lid                                   | PC (FDA 21 CFR 177.1580)             |





## Inductive Sensors Series 30 - NAMUR EN 60947-5-6

Housing M 18 x 1

- Housing material: Brass
- For use in areas with the risk of gas explosion, zone 0
- For use in areas with the risk of dust explosion, zone 20
- Sensing distance  $S_n = 5 \text{ mm}$

Certificates:



DMT 03 ATEX E 048

IECEx BVS 07.0031

II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

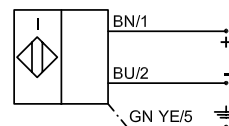
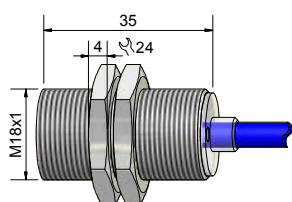
II 1D Ex ia IIIC T101°C Da

Ex ia IIIC T101°C Da

### Technical data

Flush mountable

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| Operating distance $S_n$              | 5 mm                                 |
| Electrical version                    | 2-wire DC                            |
| Output                                | NAMUR EN 60947-5-6                   |
| Type                                  | IAS-30-M13-N-StEx                    |
| Art.-No.                              | IA 0092                              |
| Operating voltage ( $U_B$ )           | 5 - 15 V DC, $U_i = 15 \text{ V DC}$ |
| Output current active surface free    | > typ. 2 mA                          |
| Output current active surface covered | < typ. 1.5 mA                        |
| Self-inductance (L)                   | 2 mH                                 |
| Self-capacitance (C)                  | 250 nF                               |
| Permitted residual ripple max.        | 5 %                                  |
| Frequency of operating cycles max.    | 1.5 kHz                              |
| Permitted ambient temperature         | -20...+90 °C                         |
| LED-display                           | Yellow                               |
| Degree of protection IEC 60529        | IP 67                                |
| Connection cable                      | 2 m PVC, 3 x 0.34 mm <sup>2</sup>    |
| Housing material                      | Brass                                |
| Active surface                        | PTFE (FDA 21 CFR 177.1550)           |
| Lid                                   | PC (FDA 21 CFR 177.1580)             |





## Inductive Sensors Series 30 - NAMUR EN 60947-5-6

Housing M 18 x 1

- Housing material: Brass
- For use in areas with the risk of gas explosion, zone 0
- For use in areas with the risk of dust explosion, zone 20
- Sensing distance  $S_n = 8 \text{ mm}$

Certificates:



DMT 03 ATEX E 048

IECEX BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

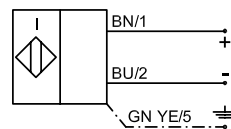
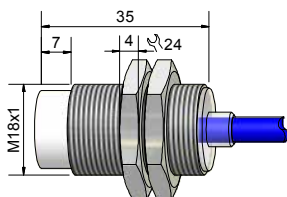
Ex II 1D Ex ia IIIC T101°C Da

Ex ia IIIC T101°C Da

### Technical data

Non-flush mountable

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| Operating distance $S_n$              | 8 mm                                 |
| Electrical version                    | 2-wire DC                            |
| Output                                | NAMUR EN 60947-5-6                   |
| <b>Type</b>                           | <b>IAS-30-A23-N-StEx</b>             |
| <b>Art.-No.</b>                       | <b>IA 0094</b>                       |
| Operating voltage ( $U_B$ )           | 5 - 15 V DC, $U_i = 15 \text{ V DC}$ |
| Output current active surface free    | > typ. 2 mA                          |
| Output current active surface covered | < typ. 1.5 mA                        |
| Self-inductance (L)                   | 2 mH                                 |
| Self-capacitance (C)                  | 250 nF                               |
| Permitted residual ripple max.        | 5 %                                  |
| Frequency of operating cycles max.    | 1.5 kHz                              |
| Permitted ambient temperature         | -20...+90 °C                         |
| LED-display                           | Yellow                               |
| Degree of protection IEC 60529        | IP 67                                |
| Connection cable                      | 2 m PVC, 3 x 0.34 mm <sup>2</sup>    |
| Housing material                      | Brass                                |
| Active surface                        | PTFE (FDA 21 CFR 177.1550)           |
| Lid                                   | PC (FDA 21 CFR 177.1580)             |



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