

SERIES 30 (NAMUR) • ATEX / IECEx

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All specifications are subject to change without notice. (01/2017)



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

Housing Ø 4 mm

- Housing material: Stainless steel VA
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance $S_n = 0.8$ mm

Certificates:



DMT 03 ATEX E 048

IECEx BVS 07.0031

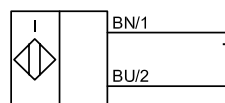
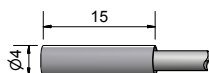
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Flush mountable

Operating distance S_n	0.8 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-04-N
Art.-No.	300 700
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.	500 Hz
Permitted ambient temperature	-20...+70 °C
LED-display	-
Degree of protection IEC 60529	IP 67
Connection cable	2 m PVC, 2 x 0.14 mm ²
Housing material	VA No. 1.4305
Active surface	-
Lid	-





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

Housing M 5 x 0.5

- Housing material: Stainless steel VA
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance $S_n = 0.8 \text{ mm}$

Certificates:



DMT 03 ATEX E 048

IECEx BVS 07.0031

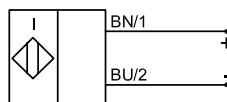
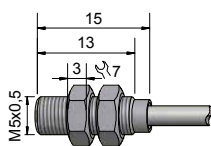
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Flush mountable

Operating distance S_n	0.8 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-M5-N
Art.-No.	300 800
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.	500 Hz
Permitted ambient temperature	-20...+70 °C
LED-display	-
Degree of protection IEC 60529	IP 67
Connection cable	2 m PVC, 2 x 0.14 mm ²
Housing material	VA No. 1.4305
Active surface	PA / PPO
Lid	-



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

Housing M 8 x 1

- Housing material: Stainless steel VA
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance $S_n = 1.5 \text{ mm}$

Certificates:



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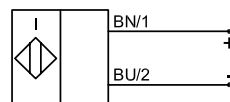
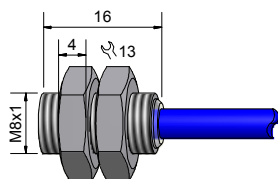
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Flush mountable

Operating distance S_n	1.5 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-M8-N
Art.-No.	301 000
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.	500 Hz
Permitted ambient temperature	-20...+70 °C
LED-display	-
Degree of protection IEC 60529	IP 67
Connection cable	2 m PVC, 2 x 0.14 mm ²
Housing material	VA No. 1.4305
Active surface	PVC
Lid	PA / PPO



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

Housing Ø 11 mm

- Housing material: PA / PPO
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance $S_n = 5$ mm

Certificates:



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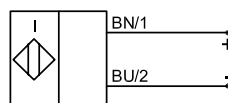
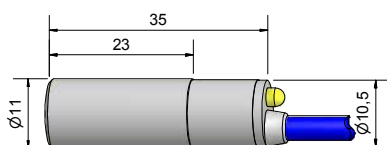
II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Non-flush mountable

Operating distance S_n	5 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-14-N
Art.-No.	301 500
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 kHz
Permitted ambient temperature	-20...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PVC, 2 x 0.14 mm ²
Housing material	PA / PPO
Active surface	PA / PPO
Lid	PA / PPO



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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
- Sensing distance $S_n = 2 \text{ mm}$

Certificates:



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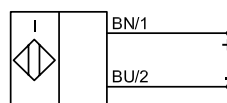
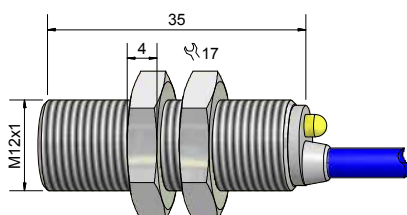
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

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
Art.-No.	300 100
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...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PVC, 2 x 0.14 mm ²
Housing material	Brass
Active surface	PA / PPO
Lid	PA / PPO



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

Housing M 12 x 1

- Housing material: Stainless steel VA
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance $S_n = 2 \text{ mm}$
- With flange connector M 12 x 1

Certificates:



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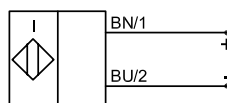
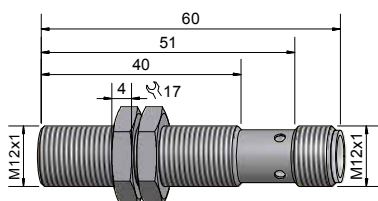
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Flush mountable

Operating distance S_n	2 mm
Electrical version	2-pin DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A12-N-Y5
Art.-No.	IA 0190
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...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection	Flange connector M 12 x 1
Housing material	VA No. 1.4305
Active surface	PA / PPO
Lid	-



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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
- Sensing distance $S_n = 4 \text{ mm}$

Certificates:



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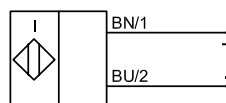
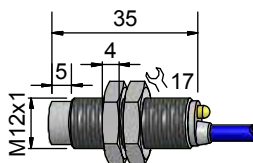
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Non-flush mountable

Operating distance S_n	4 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A22-N
Art.-No.	300 200
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...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PVC, 2 x 0.14 mm ²
Housing material	Brass
Active surface	PA / PPO
Lid	PA / PPO



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

Housing M 12 x 1

- Housing material: Stainless steel VA
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance $S_n = 4$ mm
- With flange connector M 12 x 1

Certificates:



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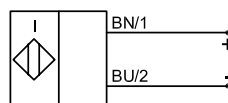
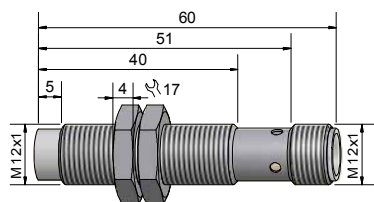
II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Non-flush mountable

Operating distance S_n	4 mm
Electrical version	2-pin DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A22-N-Y5
Art.-No.	IA 0191
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...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection	Flange connector M 12 x 1
Housing material	VA No. 1.4305
Active surface	PA / PPO
Lid	-



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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
- Sensing distance $S_n = 5 \text{ mm}$

Certificates:



DMT 03 ATEX E 048

IECEx BVS 07.0031

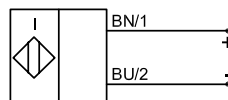
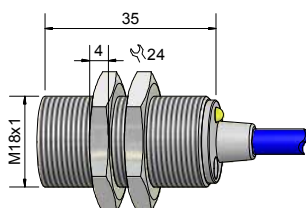
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Flush mountable

Operating distance S_n	5 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A13-N
Art.-No.	300 300
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...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PUR, 2 x 0.34 mm ²
Housing material	Brass
Active surface	PA / PPO
Lid	PA / PPO



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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
- Sensing distance $S_n = 5$ mm
- With flange connector M 12 x 1

Certificates:



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IECEX BVS 07.0031

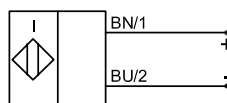
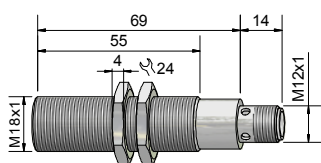
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Flush mountable

Operating distance S_n	5 mm
Electrical version	2-pin DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A13-N-Y5
Art.-No.	IA 0188
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...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection	Flange connector M 12 x 1
Housing material	Brass
Active surface	PA / PPO
Lid	-



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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
- Sensing distance $S_n = 8 \text{ mm}$

Certificates:



DMT 03 ATEX E 048

IECEX BVS 07.0031

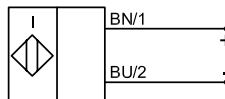
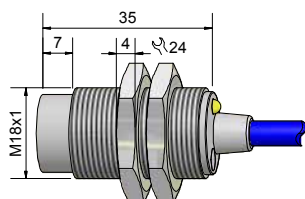
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Non-flush mountable

Operating distance S_n	8 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A23-N
Art.-No.	300 400
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...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PUR, 2 x 0.34 mm ²
Housing material	Brass
Active surface	PA / PPO
Lid	PA / PPO



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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
- Sensing distance $S_n = 8$ mm
- With flange connector M 12 x 1

Certificates:



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IECEx BVS 07.0031

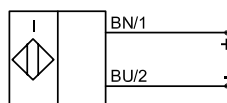
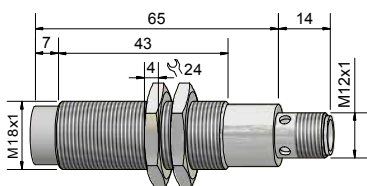
II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Non-flush mountable

Operating distance S_n	8 mm
Electrical version	2-pin DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A23-N-Y5
Art.-No.	IA 0189
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...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection	Flange connector M 12 x 1
Housing material	Brass
Active surface	PA / PPO
Lid	-



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

Housing M 30 x 1.5

- Housing material: Brass
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance $S_n = 10 \text{ mm}$

Certificates:



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IECEX BVS 07.0031

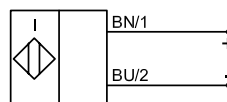
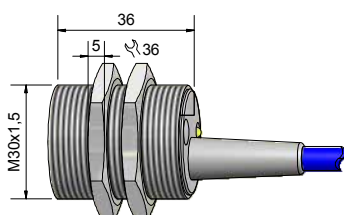
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Flush mountable

Operating distance S_n	10 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A14-N
Art.-No.	300 500
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 kHz
Permitted ambient temperature	-20...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PUR, 2 x 0.75 mm ²
Housing material	Brass
Active surface	PVC
Lid	PA / PPO



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

Housing M 30 x 1.5

- Housing material: Brass
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance $S_n = 10$ mm
- With flange connector M 12 x 1

Certificates:



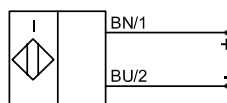
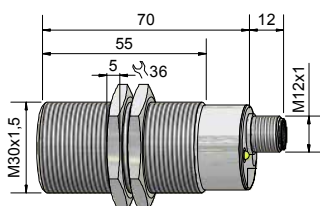
DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data	Flush mountable
Operating distance S_n	10 mm
Electrical version	2-pin DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A14-N-Y5
Art.-No.	IA 0186
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 kHz
Permitted ambient temperature	-20...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection	Flange connector M 12 x 1
Housing material	Brass
Active surface	PVC
Lid	PA / PPO



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All specifications are subject to change without notice. (01/2017)



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

Housing M 30 x 1.5

- Housing material: Brass
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance $S_n = 15 \text{ mm}$

Certificates:



DMT 03 ATEX E 048

IECEX BVS 07.0031

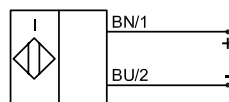
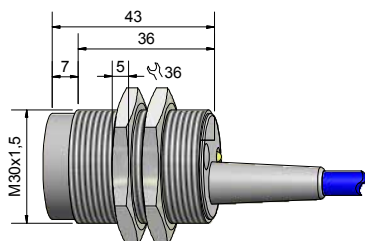
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Non-flush mountable

Operating distance S_n	15 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A24-N
Art.-No.	300 600
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 kHz
Permitted ambient temperature	-20...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PUR, 2 x 0.75 mm ²
Housing material	Brass
Active surface	PVC
Lid	PA / PPO



All specifications are subject to change without notice. (01/2017)

Made in Germany



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

Housing M 30 x 1.5

- Housing material: Brass
- For use in areas with the risk of gas explosion, zone 0
- Sensing distance $S_n = 15$ mm
- With flange connector M 12 x 1

Certificates:



DMT 03 ATEX E 048

IECEx BVS 07.0031

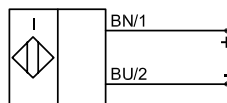
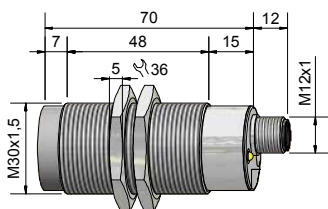
Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

Technical data

Non-flush mountable

Operating distance S_n	15 mm
Electrical version	2-pin DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A24-N-Y5
Art.-No.	IA 0187
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 kHz
Permitted ambient temperature	-20...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection	Flange connector M 12 x 1
Housing material	Brass
Active surface	PVC
Lid	PA / PPO



Made in Germany

All specifications are subject to change without notice. (01/2017)

SERIES 30 (NAMUR) • ATEX / IEC Ex

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All specifications are subject to change without notice. (04/2015))



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 $S_n = 2 \text{ mm}$

Certificates:



DMT 03 ATEX E 048

IECEx BVS 07.0031

II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

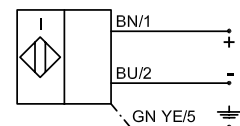
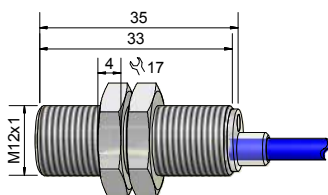
II 1D Ex ia IIIC T101°C Da

Ex ia IIIC T101°C Da

Technical data

Flush mountable

Operating distance S_n	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, $U_i = 15 \text{ V DC}$
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 ²
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)



All specifications are subject to change without notice. (01/2017)



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 $S_n = 4$ 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

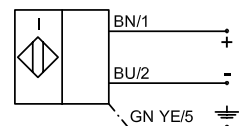
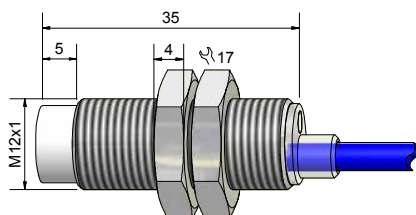
Ex II 1D Ex ia IIIC T101°C Da

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
Type	IAS-30-A22-N-StEx
Art.-No.	IA 0090
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 ²
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)



All specifications are subject to change without notice. (04/2015))



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

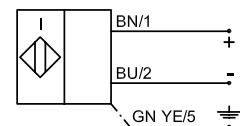
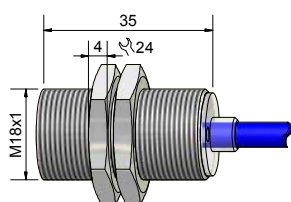
II 1D Ex ia IIIC T101°C Da

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 ²
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)



All specifications are subject to change without notice. (01/2017)



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

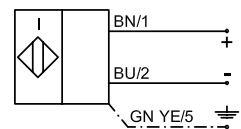
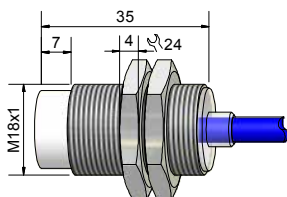
Ex II 1D Ex ia IIIC T101°C Da

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
Type	IAS-30-A23-N-StEx
Art.-No.	IA 0094
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 ²
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)



All specifications are subject to change without notice. (04/2015))



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

Housing M 30 x 1.5

- 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 $S_n = 10 \text{ mm}$

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

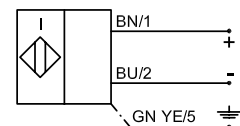
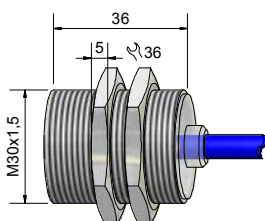
Ex II 1D Ex ia IIIC T101°C Da

Ex ia IIIC T101°C Da

Technical data

Flush mountable

Operating distance S_n	10 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A14-N-StEx
Art.-No.	IA 0095
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 kHz
Permitted ambient temperature	-20...+90 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PUR, 3 x 0.75 mm ²
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)



All specifications are subject to change without notice. (01/2017)



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

Housing M 30 x 1.5

- 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 $S_n = 15 \text{ mm}$

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

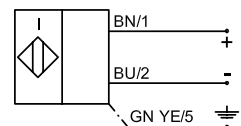
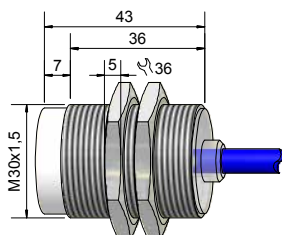
Ex II 1D Ex ia IIIC T101°C Da

Ex ia IIIC T101°C Da

Technical data

Non-flush mountable

Operating distance S_n	15 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-A24-N-StEx
Art.-No.	IA 0096
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 kHz
Permitted ambient temperature	-20...+90 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PUR, 3 x 0.75 mm ²
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)



All specifications are subject to change without notice. (04/2015))



Inductive Sensors Serie 30 - NAMUR EN 60947-5-6

Housing M 32 x 1.5

- Housing material: PA / PPO
- 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 $S_n = 15 \text{ mm}$

Certificates:

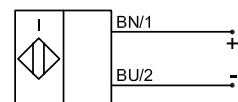
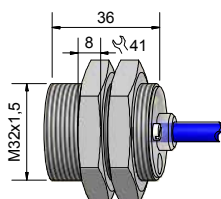


DMT 03 ATEX E 048	IECEx BVS 07.0031
II 1G Ex ia IIC T1-T6 Ga	Ex ia IIC T1-T6 Ga
II 1D Ex ia IIIC T101°C Da	Ex ia IIIC T101°C Da

Technical data

Non-Flush mountable

Operating distance S_n	15 mm
Electrical version	2-wire DC
Output	NAMUR EN 60947-5-6
Type	IAS-30-35-N-M32-StEx
Art.-No.	IA 0098
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 kHz
Permitted ambient temperature	-20...+90 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67
Connection cable	2 m PUR, 2 x 0.75 mm ²
Housing material	PA / PPO
Active surface	PA / PPO
Lid	PC (FDA 21 CFR 177.1580)



All specifications are subject to change without notice. (01/2017)