

Емкостные датчики 40-NAMUR EN 60947-5-6

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

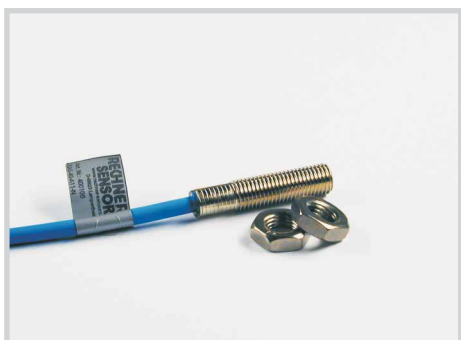
Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: ret@nt-rt.ru || сайт: <https://rechner.nt-rt.ru>



Capacitive Sensors Series 40 - NAMUR EN 60947-5-6

Housing M 8 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Brass
- Sensing distance $S_n = 0.5 \text{ mm}$

Certificate:



DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga



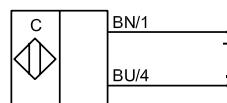
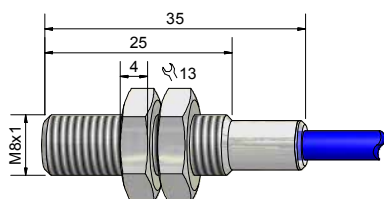
Technical data

Flush mountable

Operating distance S_n	0.5 mm
Electrical version	2-wire DC
Output function	NAMUR EN 60947-5-6
Type	KAS-40-A11-N
Art. No.	400 100
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15 \text{ V DC}$
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 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	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)

Accessories (is delivered with the unit)

2 pieces nuts M 8





Capacitive Sensors

Series 40 - NAMUR EN 60947-5-6

Housing Ø 22 mm

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Stainless steel
- Sensing distance 1...10 mm adjustable

Certificate:



DMT 03 ATEX E 048

IECEX BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

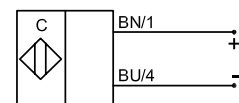
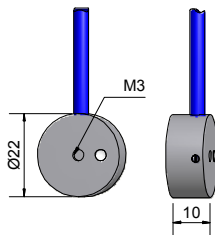


Technical data

Flush mountable

Operating distance S_n	6 mm
Operating distance min. / max. adjustable	1...10 mm
Electrical version	2-wire DC
Output function	NAMUR EN 60947-5-6
Type	KAS-40-22/10-N
Art.-No.	406 120
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+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	PTFE (FDA 21 CFR 177.1550)
Lid	-

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6

Housing Ø 22 mm

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PTFE
- Sensing distance 2...10 mm adjustable

Certificate:



DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

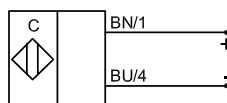
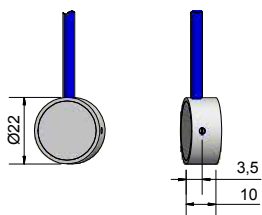


Technical data

Flush mountable

Operating distance S_n	6 mm
Operating distance min. / max. adjustable	2...10 mm
Electrical version	2-wire DC
Output function	NAMUR EN 60947-5-6
Type	KAS-40-22/10-N-PTFE
Art.-No.	406 110
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70 °C
LED-display	-
Degree of protection IEC 60529	IP 67*
Connection cable	2 m, PVC, 2 x 0.14 mm ²
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	-

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 12 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Stainless steel VA
- Sensing distance 1...4 mm adjustable

Certificate:



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

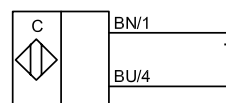
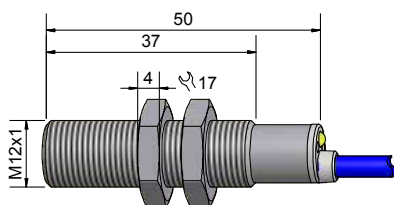
Flush mountable

Operating distance S_n	2 mm
Operating distance min. / max. adjustable	1...4 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A12-N
Art. No.	400 200
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	VA No. 1.4305
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 12

* With sealed potentiometer screw





Capacitive Sensors

Serie 40 - NAMUR EN 60947-5-6



Housing M 12 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Stainless steel VA
- Sensing distance 1...5 mm adjustable
- With flange connector M 12 x 1

Certificate:



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

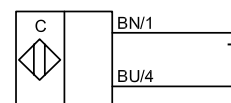
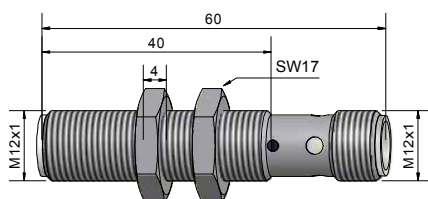
Operating distance S_n	2 mm
Operating distance min. / max. adjustable	1...5 mm
Electrical version	2-pin DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A12-N-Y5
Art. No.	KA 0561
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PTFE (FDA 21 CFR 177.1550)
Lid	-

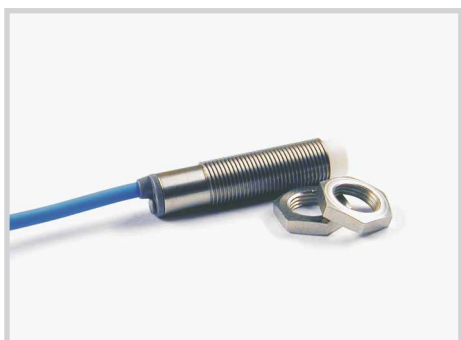
Accessories (is delivered with the unit)

2 pieces nuts M 12, Protective clip

For matching connectors please see our selection of accessories.

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 12 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Stainless steel VA
- Sensing distance 1...6 mm adjustable

Certificate:



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

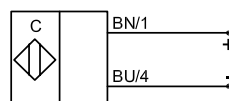
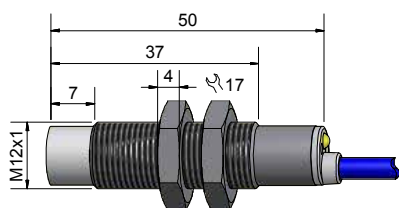
Non-flush mountable

Operating distance S_n	4 mm
Operating distance min. / max. adjustable	1...6 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A22-N
Art. No.	400 250
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	VA No. 1.4305
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 12

* With sealed potentiometer screw





Capacitive Sensors

Series 40 - NAMUR EN 60947-5-6



Housing M 12 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Stainless steel VA
- Sensing distance 1...6 mm adjustable
- With flange connector M 12 x 1

Certificate:



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 mounting

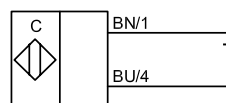
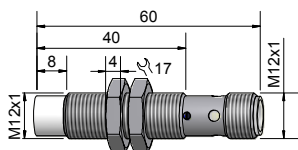
Operating distance S_n	4 mm
Operating distance min./max. adjustable	1...6 mm
Electrical version	2-pin DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A22-N-Y5
Art. No.	KA 0562
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PTFE (FDA 21 CFR 177.1550)
Lid	-

Accessories (is delivered with the unit)

2 pieces nuts M 12, Protective clip

For matching connectors please see our selection of accessories.

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 12 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PVC
- Sensing distance 1...6 mm adjustable

Certificate:



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

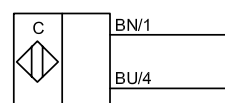
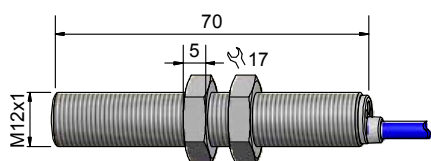
Non-flush mountable

Operating distance S_n	4 mm
Operating distance min. / max. adjustable	1...6 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-14-N-M12
Art. No.	400 705
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-20...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67*
Connection cable	5 m, PVC, 2 x 0.14 mm ²
Housing material	PVC
Active surface	PVC
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 12

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 12 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Suitable for food applications
- Sensing distance 1...6 mm adjustable

Certificate:



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

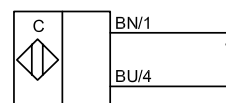
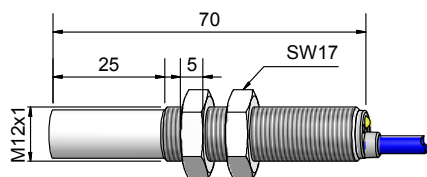
Non-flush mountable

Operating distance S_n	4 mm
Operating distance min./max. adjustable	1...6 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-14-N-M12-PTFE
Art. No.	400 900
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-20...+70 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67*
Connection cable	2 m, PVC, 2 x 0.34 mm ²
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 12

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 18 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Brass
- Sensing distance 1...8 mm adjustable

Certificate:



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

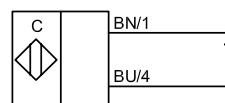
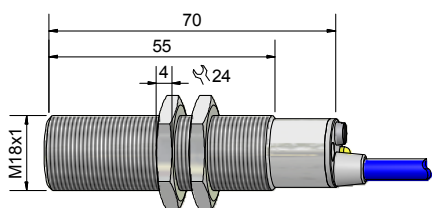
Flush mountable

Operating distance S_n	5 mm
Operating distance min. / max. adjustable	1...8 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A13-N
Art. No.	400 300
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 18

* With sealed potentiometer screw





Capacitive Sensors

Series 40 - NAMUR EN 60947-5-6



Housing M 18 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Stainless steel VA No. 1.4305 / AISI 303
- Sensing distance 1...8 mm adjustable
- With flange connector M 12 x 1

Certificate:



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 mounting

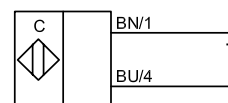
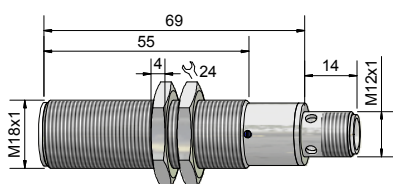
Operating distance S_n	5 mm
Operating distance min. / max. adjustable	1...8 mm
Electrical version	2-pin DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A13-N-Y5
Art. No.	KA 0559
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	Stainless steel VA No. 1.4305 / AISI 303
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	-

Accessories (is delivered with the unit)

2 pieces nuts M 18, Protective clip

For matching connectors please see our selection of accessories.

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 18 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Brass
- Sensing distance 2...10 mm adjustable

Certificate:



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

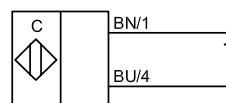
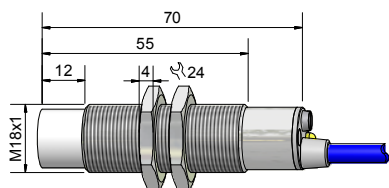
Non-flush mountable

Operating distance S_n	8 mm
Operating distance min. / max. adjustable	2...10 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A23-N
Art. No.	400 350
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 18

* With sealed potentiometer screw





Capacitive Sensors

Series 40 - NAMUR EN 60947-5-6



Housing M 18 x 1

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Stainless steel VA No. 1.4305 / AISI 303
- Sensing distance 2...10 mm adjustable
- With flange connector M 12 x 1

Certificate:



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

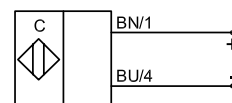
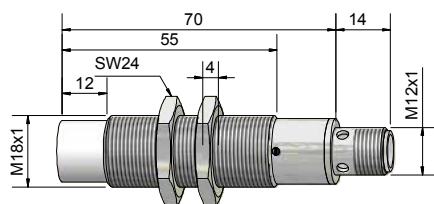
Operating distance S_n	8 mm
Operating distance min. / max. adjustable	2...10 mm
Electrical version	2-pin DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A23-N-Y5
Art. No.	KA 0560
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	Stainless steel VA No. 1.4305 / AISI 303
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	-

Accessories (is delivered with the unit)

2 pieces nuts M 18, Protective clip

For matching connectors please see our selection of accessories.

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing Ø 22 mm

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PA / PPO
- Sensing distance 2...8 mm adjustable

Certificate:



DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga



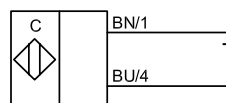
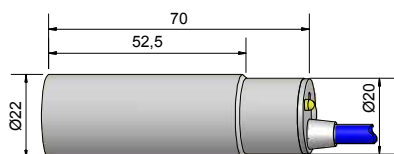
Technical data

Flush mountable

Operating distance S_n	6 mm
Operating distance min. / max. adjustable	2...8 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-20-N
Art. No.	401 000
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PA / PPO
Active surface	PA / PPO
Lid	PA / PPO

Assessors for mounting (is not delivered with the sensor) please see our selection of accessories.

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6

Housing M 22 x 1.5

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Suitable for food applications
- Sensing distance 3...10 mm adjustable

Certificate:



DMT 03 ATEX E 048

IECEX BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga



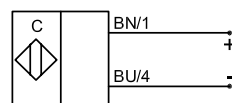
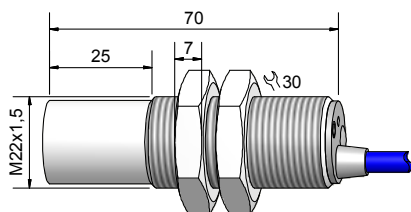
Technical data

Non-flush mountable

Operating distance S_n	8 mm
Operating distance min. / max. adjustable	3...10 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-24-N-M22-PTFE
Art. No.	401 500
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-20...+70 °C
LED-display	-
Degree of protection IEC 60529	IP 67*
Connection cable	2 m, PUR, 2 x 0.34 mm ²
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit) 2 pieces nuts M 22

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing Ø 30 mm

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PA / PPO
- Sensing distance 3...20 mm adjustable

Certificate:



DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga



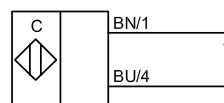
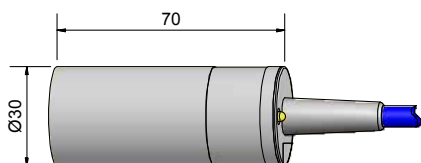
Technical data

Non-flush mountable

Operating distance S_n	15 mm
Operating distance min. / max. adjustable	3...20 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-35-N
Art. No.	402 000
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PA / PPO
Active surface	PA / PPO
Lid	PA / PPO

Assessors for mounting (is not delivered with the sensor) please see our selection of accessories.

* With sealed potentiometer screw





Capacitive Sensors **Series 40 - NAMUR EN 60947-5-6**



Housing M 30 x 1.5

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Brass
- Sensing distance 2...15 mm adjustable

Certificate:



DMT 03 ATEX E 048

IECEX BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga



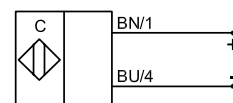
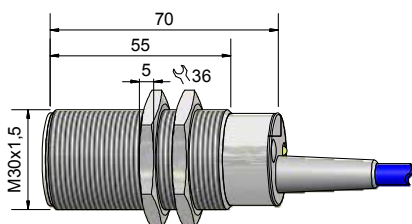
Technical data

Flush mountable

Operating distance S_n	10 mm
Operating distance min. / max. adjustable	2...15 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A14-N
Art. No.	400 400
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit)	2 pieces nuts M 30
---	--------------------

* With sealed potentiometer screw





Capacitive Sensors Serie 40 - NAMUR EN 60947-5-6



Housing M 30 x 1.5

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Brass
- Sensing distance 2...15 mm adjustable
- With flange connector M 12 x 1

Certificate:



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 mounting

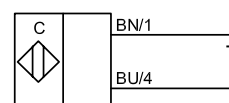
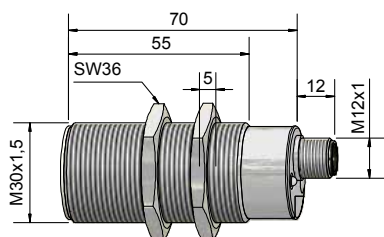
Operating distance S_n	10 mm
Operating distance min. / max. adjustable	2...15 mm
Electrical version	2-pin DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A14-N-Y5
Art. No.	KA 0557
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 30, Protective clip

For matching connectors please see our selection of accessories.

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 30 x 1.5

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Brass
- Sensing distance 2...20 mm adjustable

Certificate:



DMT 03 ATEX E 048

IECEX BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga



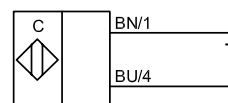
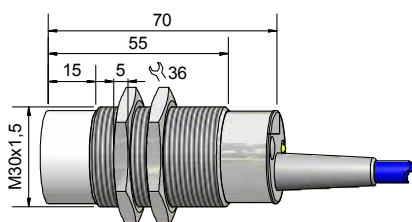
Technical data

Non-flush mountable

Operating distance S_n	15 mm
Operating distance min. / max. adjustable	2...20 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A24-N
Art. No.	400 450
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit) 2 pieces nuts M 30

* With sealed potentiometer screw





Capacitive Sensors Serie 40 - NAMUR EN 60947-5-6



Housing M 30 x 1.5

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Brass
- Operating range 2...20 mm
- With flange connector M 12 x 1

Certificate:



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

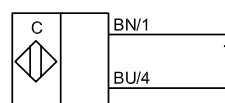
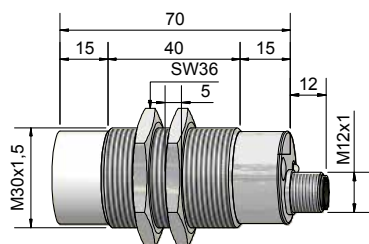
Operating distance S_n	15 mm
Operating distance min. / max. adjustable	2...20 mm
Electrical version	2-pin DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-A24-N-Y5
Art. No.	KA 0558
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 30, Protective clip

For matching connectors please see our selection of accessories.

* With sealed potentiometer screw





Capacitive Sensors with analogue output
Series 40 - NAMUR EN 60947-5-6
Output current 20...4 mA



Housing M 30 x 1.5

- For use in areas with the risk of gas explosion, zone 1
- Housing material: Brass
- Operating range 0...25 mm

Certificate:



DMT 03 ATEX E 048

IECEX BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

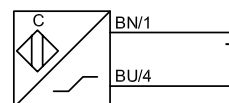
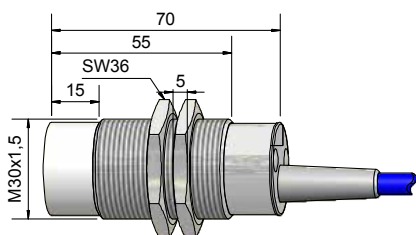


Technical data

Non-flush mountable

Operating range	0...25 mm
Linear range	2...20 mm
Electrical version	2-wire DC
Output function	Analogue
Type Analogue	KAS-40-A24-IL
Art. No.	403 600
Operating voltage (U_B)	10 - 15 V DC, $U_i = 15$ V DC
Power consumption active surface free	≤ 4 mA
Power consumption active surface covered	≥ 20 mA
Load resistor	R: 0...500 Ohm
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	0...+60 °C
LED-display	Yellow
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-6
Connection cable	2 m, PUR, 2 x 0.75 mm ²
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO
Accessories (is delivered with the unit)	2 pieces nuts M 30

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 32 x 1.5

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PA / PPO
- Sensing distance 3...15 mm adjustable

Certificate:



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

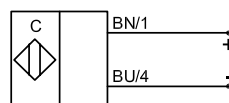
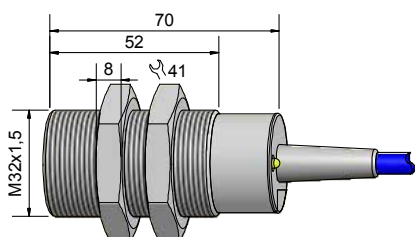
Flush mountable

Operating distance S_n	12 mm
Operating distance min. / max. adjustable	3...15 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-30-N-M32
Art. No.	401 700
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PA / PPO
Active surface	PA / PPO
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 32

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 32 x 1.5

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Stainless steel VA
- Sensing distance 3...20 mm adjustable

Certificate:



DMT 03 ATEX E 048

IECEX BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga



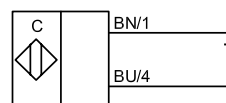
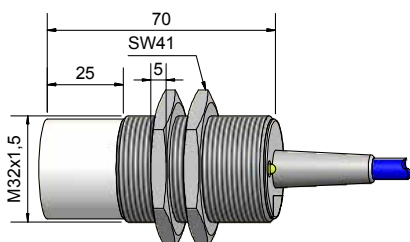
Technical data

Non-flush mountable

Operating distance S_n	18 mm
Operating distance min. / max. adjustable	3...20 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-34-N-M32-PTFE/V2A
Art. No.	402 400
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	VA No. 1.4305
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit) 2 pieces nuts M 32

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 32 x 1.5

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PA / PPO
- Sensing distance 3...20 mm adjustable

Certificate:



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

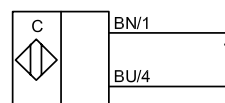
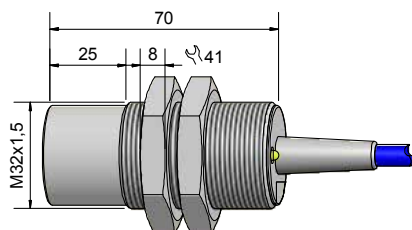
Non-flush mountable

Operating distance S_n	18 mm
Operating distance min. / max. adjustable	3...20 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-35-N-M32
Art. No.	402 100
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PA / PPO
Active surface	PA / PPO
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 32

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing M 32 x 1.5

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PTFE
- Ideal for detection of chemically aggressive media
- Suitable for food applications
- Sensing distance 3...20 mm adjustable
- Option: Total chemical resistance is given when ordering the sensor with PTFE cable and PTFE- protection set Art.-No. 196301

Certificate:



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

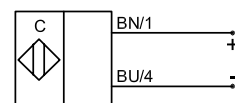
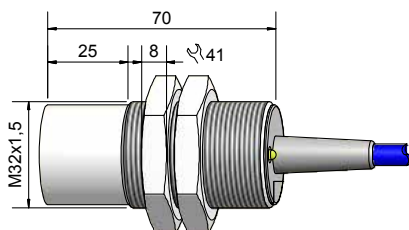
Non-flush mountable

Operating distance S_n	18 mm
Operating distance min. / max. adjustable	3...20 mm
Electrical version	2-wire DC
Output function	NAMUR DIN 60947-5-6
Type	KAS-40-35-N-M32-PTFE
Art. No.	402 300
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 2.5 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
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	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

Accessories (is delivered with the unit)

2 pieces nuts M 32

* With sealed potentiometer screw





Capacitive Sensors Serie 40 - NAMUR EN 60947-5-6



Housing Ø 26 mm / G1" / 40 mm

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PTFE
- Sensing distance 0...15 mm adjustable
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)

Certificate:



DMT 03 ATEX E 048

IECEx BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

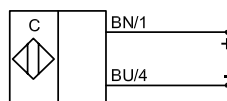
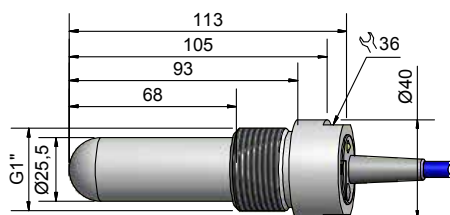


Technical data

Non-flush mountable

Operating distance S_n	5 mm
Operating distance min. / max. adjustable	0...15 mm
Electrical version	2-wire DC
Output	NAMUR DIN 60947-5-6
Type	KAS-40-26-N-PTFE-1"
Art. No.	KA 0740
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 3 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	0...+70 °C / CIP 121 °C (zero-current)
LED-display	Yellow
Degree of protection IEC 60529	IP 67*
Connection cable	2 m, PUR, 2 x 0.75 mm ²
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

* With sealed potentiometer screw





Capacitive Sensors Series 40 - NAMUR EN 60947-5-6



Housing Ø 26 mm / G1" / 40 mm

- For use in areas with the risk of gas explosion, zone 0
- Housing material: PTFE
- Sensing distance 0...15 mm adjustable
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)

Certificate:



DMT 03 ATEX E 048

IECEX BVS 07.0031

Ex II 1G Ex ia IIC T1-T6 Ga

Ex ia IIC T1-T6 Ga

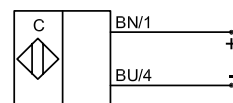
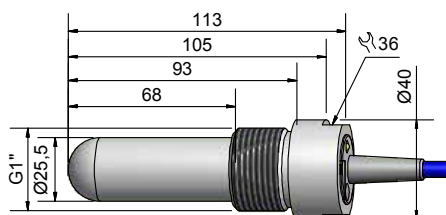


Technical data

Non-flush mountable

Operating distance S_n	5 mm
Operating distance min. / max. adjustable	0...15 mm
Electrical version	2-wire DC
Output	NAMUR DIN 60947-5-6
Type	KAS-40-26-N-PTFE-1"-100°C
Art. No.	KA 1230
Operating voltage (U_B)	5 - 15 V DC, $U_i = 15$ V DC
Output current active surface free	< typ. 1.5 mA
Output current active surface covered	> typ. 3 mA
Self-inductance (L)	0.2 mH
Self-capacitance (C)	250 nF
Permitted residual ripple max.	5 %
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	0...+100 °C / CIP 121 °C (zero-current)
LED-display	Yellow
Degree of protection IEC 60529	IP 67*
Connection cable	2 m, PUR, 2 x 0.75 mm ²
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO

* With sealed potentiometer screw



По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: ret@nt-rt.ru || сайт: <https://rechner.nt-rt.ru>