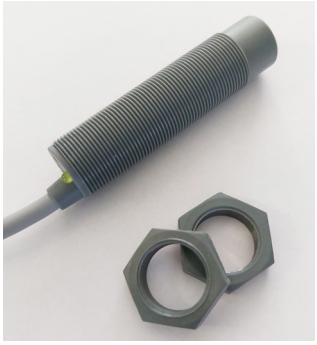
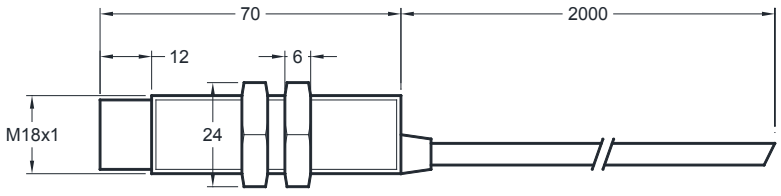
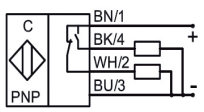
Capacitive sensor | PNP | 10-30Vdc | type CP10-A23-A-K



- Dimension M18x1
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data	
Operating distance Sn (mm), flush mounting	20, yes
Operating distance min./max. (mm) adjustable	0,5...10
Electrical version	4-wires DC
Output function	antivalent
Type PNP	**SM-CP021** **CP10-A23-A-K**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	≤ 2.0 V
Voltage drop max. (U_d)	5%
Permitted residual ripple max.	< 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67 (with cap screwed into the trimmer hole)
Norms	EN 60947-5-2
Connection	2m cable, 4x0.25mm² in PVC
Housing material	PBT
Active surface material	PBT
Lid material	PA/PPO





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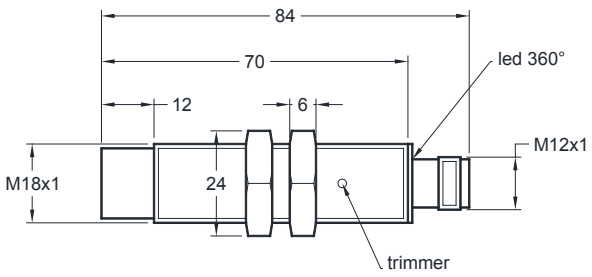
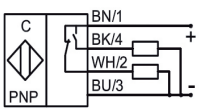
Capacitive sensor PNP | 10-30Vdc | type CP10-A23-A-K-Y3

- Diameter dimension M18 x 1
- Non flush mounting
- Housing and nuts in PA/PPO
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data	
Operating distance Sn (mm), flush mounting	8, no
Operating distance min./max. (mm) adjustable	0,5...10
Electrical version	4-pin DC
Output function	antivalent
Type PNP	**SM-CP017 CP10-A23-A-K-Y3**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15mA
Voltage drop max. (U_d)	< 2.0 V
Permitted residual ripple max.	10%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	connector M12x1
Housing material	PA/PPO
Active surface material	PA/PPO
Lid material	-





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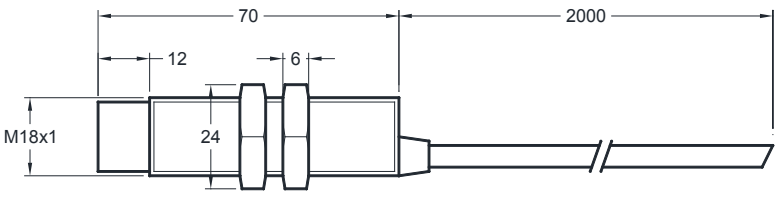
Capacitive sensor | PNP | 10-30Vdc | type CP10-A23-A-K-PTFE

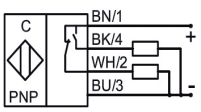
The capacitive sensor is made with a MOCA (Materials and Objects in Contact with Food) certified Teflon PTFE case and has the food suitability requirements according to the regulation:
EC 1935/2004
EC 10/2011
EC 2023/2006 (GMP)
FDA CFR 21 177.1550

- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	8, no
Operating distance min./max. (mm) adjustable	0,5...10
Electrical version	4-wires DC
Output function	antivalent
Type PNP	**SM-CP002 CP10-A23-A-K-PTFE**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	≤ 2.0 V
Voltage drop max. (U_d)	5%
Permitted residual ripple max.	< 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67 (with closing cap screwed into the trimmer hole)
Norms	EN 60947-5-2
Connection	2m cable, 4x0.25mm² in PVC
Housing material	EC 1935/2004 - EC 10/2011 - EC 2023/2006 (GMP) FDA CFR 21 177.1550
Active surface material	EC 1935/2004 - EC 10/2011 - EC 2023/2006 (GMP) FDA CFR 21 177.1550
Lid material	PA/PPO
Traceability pursuant to EC Regulation No. 1935/2004	yes





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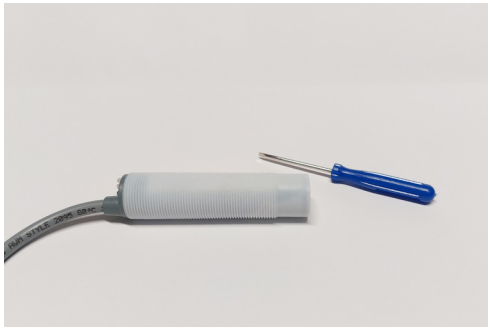
Capacitive sensor | PNP | 10-30Vdc | type CP10-A23-A-K-PTFE sd

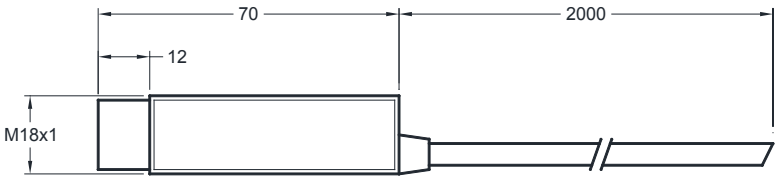


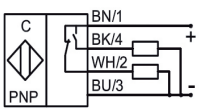
The capacitive sensor is made with a MOCA (Materials and Objects in Contact with Food) certified Teflon PTFE case and has the food suitability requirements according to the regulation:
EC 1935/2004
EC 10/2011
EC 2023/2006 (GMP)
FDA CFR 21 177.1550

- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	8, no
Operating distance min./max. (mm) adjustable	0,5...10
Electrical version	4-wires DC
Output function	antivalent
Type PNP	**SM-CP003** **CP10-A23-A-K-PTFE sd**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	≤ 2.0 V
Voltage drop max. (U_d)	5%
Permitted residual ripple max.	< 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67 (with closing cap screwed into the trimmer hole)
Norms	EN 60947-5-2
Connection	2m cable, 4x0.25mm² in PVC
Housing material	EC 1935/2004 - EC 10/2011 - EC 2023/2006 (GMP) FDA CFR 21 177.1550
Active surface material	EC 1935/2004 - EC 10/2011 - EC 2023/2006 (GMP) FDA CFR 21 177.1550
Lid material	PA/PPO
Traceability pursuant to EC Regulation No. 1935/2004	yes





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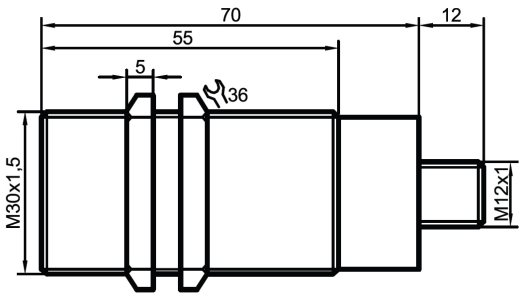
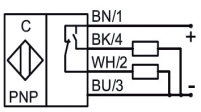
Capacitive sensor | PNP | 10-30Vdc | type CP10-A14-A-K-Y3

- Dimension M30x1.5
- Flush mounting
- Housing and nuts in PA/PPO
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data	
Operating distance Sn (mm), flush mounting	10, yes
Operating distance min./max. (mm) adjustable	0,5...20
Electrical version	4-pin DC
Output function	antivalent
Type PNP	**SM-CP006 CP10-A14-A-K-Y3**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	≤ 2.0 V
Voltage drop max. (U_d)	5%
Permitted residual ripple max.	< 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	connector M12x1
Housing material	PA/PPO
Active surface material	PA/PPO
Lid material	PA/PPO





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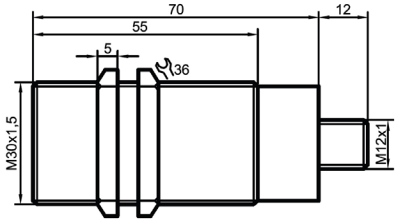
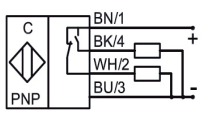
Capacitive sensor | PNP | 10-30Vdc | type CP10-A14-A-PTFE/MS-Y3

- Dimension M30 x 1.5
- Flush mounting
- Housing and nuts in nickel-plated brass
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	10, yes
Operating distance min./max. (mm) adjustable	0,5...20
Electrical version	4-pin DC
Output function	antivalent
Type PNP	**SM-CP011 CP10-A14-A-PTFE/MS-Y3**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	connector M12x1
Housing material	nickel-plated brass
Active surface material	PTFE (1935/2004, 2023/2006, EU 10/2011 e FDA CFR 21 177)
Lid material	PA/PPO





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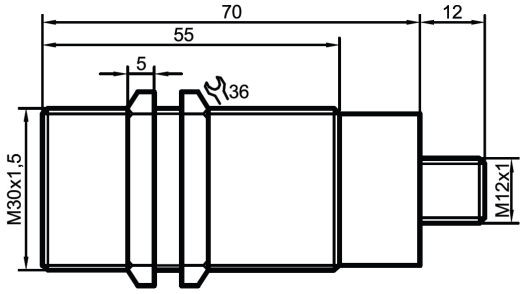
Capacitive sensor | PNP | 10-30Vdc | type CP10-A14-A-K-PTFE-Y3

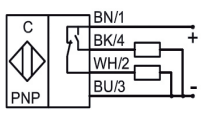
The Teflon PTFE case has been made with material that meets the food suitability requirements according to the Regulation1935/2004, 2023/2006, EU 10/2011 E FDA CFR 21 177

- Dimension M30x1.5
- Flush mounting
- Housing and nuts in PTFE
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	10, yes
Operating distance min./max. (mm) adjustable	0,5...20
Electrical version	4-pin DC
Output function	antivalent
Type PNP	**SM-CP008 CP10-A14-A-K-PTFE-Y3**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	≤ 2.0 V
Voltage drop max. (U_d)	5%
Permitted residual ripple max.	< 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	connector M12x1
Housing material	PTFE (1935/2004, 2023/2006, EU 10/2011 e FDA CFR 21 177)
Active surface material	PTFE (1935/2004, 2023/2006, EU 10/2011 e FDA CFR 21 177)
Lid material	PA/PPO





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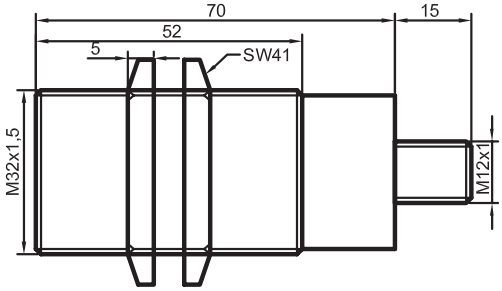
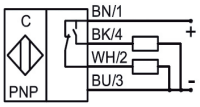
Capacitive sensor | PNP | 10-30Vdc | type CP10-A14-A-PTFE/316-Y3

- M30x1.5 dimensions
- Flush mounting
- Stainless steel housing and nuts for superior corrosion resistance
- Microprocessor-controlled output
- Custom labeling available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Customized output available upon request

Technical data

Operating distance Sn (mm), flush mounting	10, yes
Operating distance min./max. (mm) adjustable	0.5...20
Electrical version	4-pin DC
Output function	antivalent
Type PNP	**SM-CP025 CP10-A14-A-PTFE/316-Y3**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15 mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	plastic connector M12x1
Housing material	AISI 316 stainless steel housing and nuts
Active surface material	PTFE
Lid material	PA/PPO





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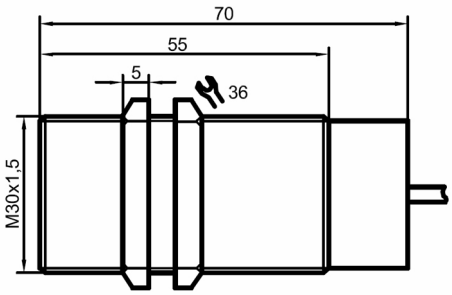
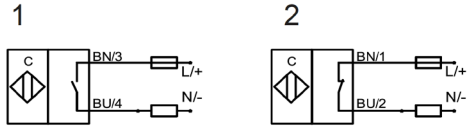
Capacitive sensor | 20-250Vac/dc | type CP90-A14-S-K-L

- Housing M30x1.5
- Housing material: PPO
- Flush mounting
- Adjustable operating distance

Technical data	
Operating distance Sn (mm), flush mounting	10, yes
Operating distance min./max. (mm) adjustable	0...15
Electrical version	2 wires AC/DC
Output function	normally open
Type	**SM-CP004 CP90-A14-S-K-L**
Connection diagramme pin/wires no.	1
Operating voltage (U_b)	20...250 V AC/DC
Output current max (I_e)	330 mA
Current load min.	5mA
Voltage drop max. (U_d)	≤ 6.0 V
Permitted residual ripple max.	-
No load current (I_o)	< 2.5 mA
Frequency of operating cycles max.	25 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	cable 2 m., PVC
Housing material	PPO
Active surface material	PPO
Lid material	PA/PPO





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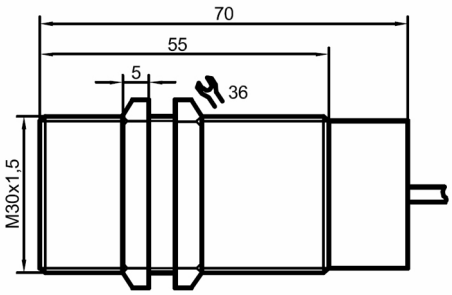
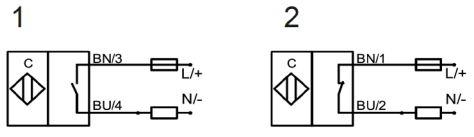
Capacitive sensor | 20-250Vac/dc | type CP90-A14-O-K-L-5M

- Housing M30x1.5
- Housing material: PPO
- Flush mounting
- Adjustable operating distance

Technical data	
Operating distance Sn (mm), flush mounting	10, yes
Operating distance min./max. (mm) adjustable	0...15
Electrical version	2 wires AC/DC
Output function	normally closed
Type	**SM-CP019 CP90-A14-O-K-L-5M**
Connection diagramme pin/wires no.	2
Operating voltage (U_b)	20...250 V AC/DC
Output current max (I_e)	330 mA
Current load min.	5mA
Voltage drop max. (U_d)	≤ 6.0 V
Permitted residual ripple max.	-
No load current (I_o)	< 2.5 mA
Frequency of operating cycles max.	25 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	cable 5 m., 2x0,75mm², PVC
Housing material	PPO
Active surface material	PPO
Lid material	PA/PPO





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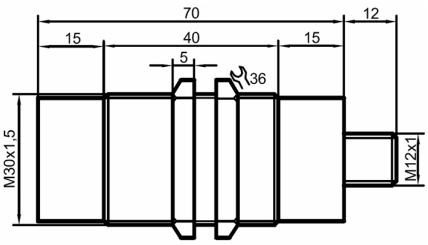
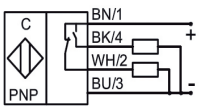
Capacitive sensor | PNP | 10-30Vdc | type CP10-A24-A-K-Y3

- Dimension M30x1.5
- Non flush mounting
- Housing and nuts in PA/PPO
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data	
Operating distance Sn (mm), flush mounting	15, no
Operating distance min./max. (mm) adjustable	0,5...25
Electrical version	4-pin DC
Output function	antivalent
Type PNP	**SM-CP007 CP10-A24-A-K-Y3**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	≤ 2.0 V
Voltage drop max. (U_d)	5%
Permitted residual ripple max.	< 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	connector M12x1
Housing material	PA/PPO
Active surface material	PA/PPO
Lid material	PA/PPO





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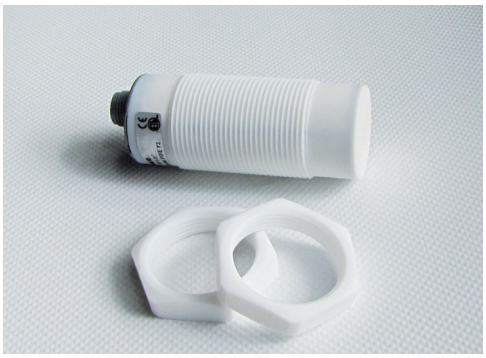
Capacitive sensor | PNP | 10-30Vdc | type CP10-A24-A-K-PTFE-Y3

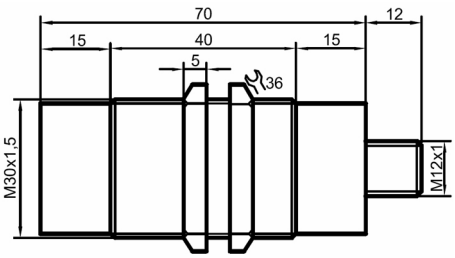


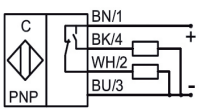
The Teflon PTFE case has been made with material that meets the food suitability requirements according to the Regulation 1935/2004, 2023/2006, EU 10/2011 E FDA CFR 21 177

- Dimension M30x1.5
- Non flush mounting
- housing and nuts in PTFE
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	15, no
Operating distance min./max. (mm) adjustable	0,5...25
Electrical version	4-pin DC
Output function	antivalent
Type PNP	**SM-CP009 CP10-A24-A-K-PTFE-Y3**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	connector M12x1
Housing material	PTFE (1935/2004, 2023/2006, EU 10/2011 e FDA CFR 21 177)
Active surface material	PTFE (1935/2004, 2023/2006, EU 10/2011 e FDA CFR 21 177)
Lid material	PA/PPO





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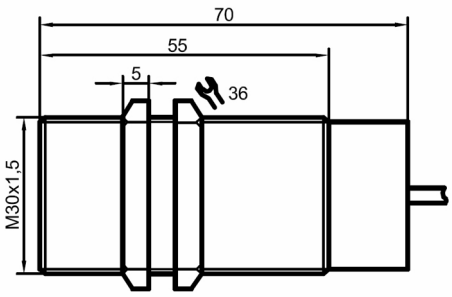
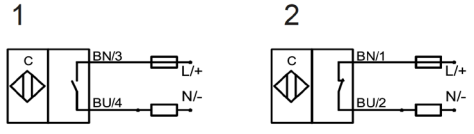
Capacitive sensor | 20-250Vac/dc | type CP90-A24-S-K-L

- Housing M30x1.5
- Housing material: PPO
- Non flush mounting
- Adjustable operating distance

Technical data	
Operating distance Sn (mm), flush mounting	15, yes
Operating distance min./max. (mm) adjustable	2...20
Electrical version	2 wires AC/DC
Output function	normally open
Type	**SM-CP005 CP90-A24-S-K-L**
Connection diagramme pin/wires no.	1
Operating voltage (U_b)	20...250 V AC/DC
Output current max (I_e)	330 mA
Current load min.	5mA
Voltage drop max. (U_d)	≤ 6.0 V
Permitted residual ripple max.	-
No load current (I_o)	< 2.5 mA
Frequency of operating cycles max.	25 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	cable 5 m., PVC
Housing material	PPO
Active surface material	PPO
Lid material	PA/PPO





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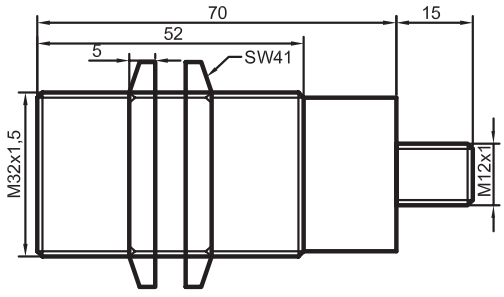
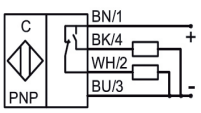
Capacitive sensor | PNP | 10-30Vdc | type CP10-30-M32-A-PTFE/MS-Y3

- Diameter dimension M32x1.5
- Flush mounting
- Housing in brass
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	20, yes
Operating distance min./max. (mm) adjustable	2...25
Electrical version	4-pin DC
Output function	antivalent
Type PNP	**SM-CP020 CP10-30-M32-A-PTFE/MS-Y3**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	10%
Frequency of operating cycles max.	150 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	plastic connector M12x1
Housing material	BRASS
Active surface material	PTFE
Lid material	PA/PPO





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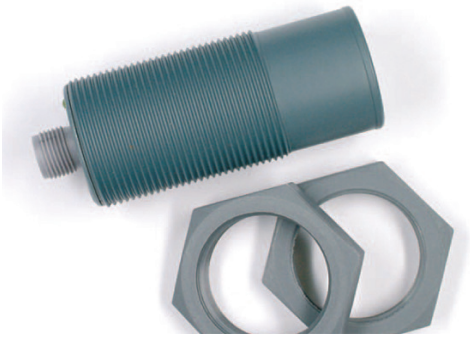
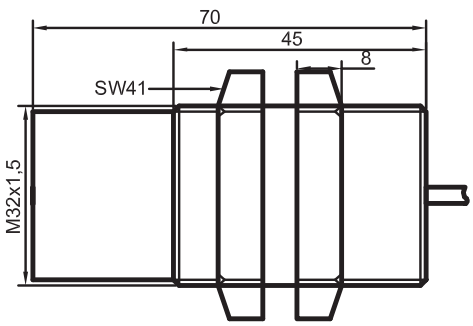
Capacitive sensor | PNP | 10-30Vdc | type CP10-35-M32-A-K-Y3

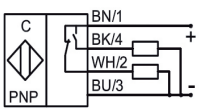


- Diameter dimension M32x1.5
- Non flush mounting
- Housing and nuts in PBT
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	20, no
Operating distance min./max. (mm) adjustable	0...30
Electrical version	4-pin DC
Output function	antivalent
Type PNP	**SM-CP018 CP10-35-M32-A-K-Y3**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15mA
Voltage drop max. (U_d)	< 2.0 V
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	connector M12x1
Housing material	PBT
Active surface material	PBT
Lid material	-





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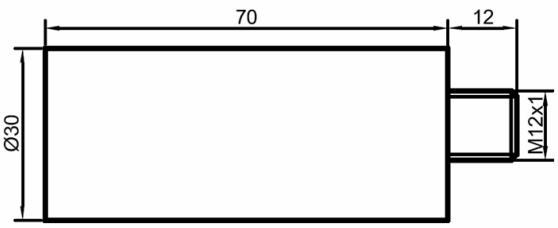
Capacitive sensor | PNP | 10-30Vdc | type CP10-D30-A-K-PTFE-Y3

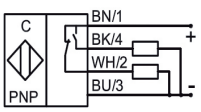
The capacitive sensor is made with a MOCA (Materials and Objects in Contact with Food) certified Teflon PTFE case and has the food suitability requirements according to the regulation:
EC 1935/2004
EC 10/2011
EC 2023/2006 (GMP)
FDA CFR 21 177.1550

- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	15, yes
Operating distance min./max. (mm) adjustable	0,5...25
Electrical version	4-pin DC
Output function	antivalent
Type PNP	**SM-CP010 CP10-D30-A-K-PTFE-Y3**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	connector M12x1
Housing material	EC 1935/2004 - EC 10/2011 - EC 2023/2006 (GMP) FDA CFR 21 177.1550
Active surface material	EC 1935/2004 - EC 10/2011 - EC 2023/2006 (GMP) FDA CFR 21 177.1550
Lid material	PA/PPO





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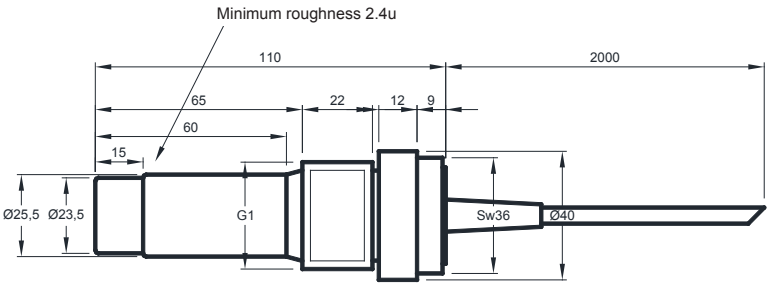
Capacitive sensor | PNP | 10-30Vdc | type CP10-D25.5/G1-A-K-PTFE-L110

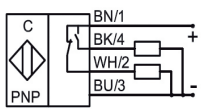
The capacitive sensor is made with a MOCA-certified Teflon PTFE housing (Materials and Objects in Contact with Food) and meets food safety requirements according to the following regulations:
EC 1935/2004
EC 10/2011
EC 2023/2006 (GMP)
FDA CFR 21 177.1550

- Minimum roughness of 2.4u and 1” threaded connection

Technical data

Operating distance Sn (mm), flush mounting	12, no
Operating distance min./max. (mm) adjustable	0...20
Electrical version	4-wires DC
Output function	antivalent
Type PNP	**SM-CP023** **CP10-D25.5/G1-A-K-PTFE-L110**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15 mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67 housing, IP65 lid
Norms	EN 60947-5-2
Connection	cable 2m, 4x0.25mm² in PVC
Housing material	PTFE - EC 1935/2004 - EC 10/2011 - EC 2023/2006 (GMP) FDA CFR 21 177.1550
Active surface material	PTFE - EC 1935/2004 - EC 10/2011 - EC 2023/2006 (GMP) FDA CFR 21 177.1550
Lid material	PA/PPO
Traceability pursuant to EC Regulation No. 1935/2004	yes





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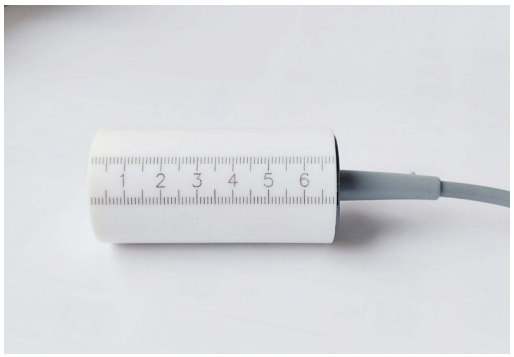
Capacitive sensor | PNP | 10-30Vdc | type CP10-D34-A-K-PET-L70

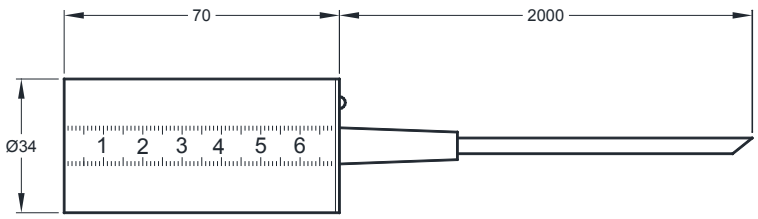


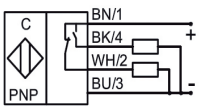
The capacitive sensor is made with a MOCA (Food Contact Materials and Objects) certified PET case and meets food safety requirements according to the following regulations:
EC 1935/2004 / EC 10/2011 / EC 2023/2006 (GMP)
FDA CFR 21 177.1630

- Dimension diameter 34 mm
- Flush mounting
- Housing PET
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	15, yes
Operating distance min./max. (mm) adjustable	0,5...25
Electrical version	4-wires DC
Output function	antivalent
Type PNP	**SM-CP012 CP10-D34-A-K-PET-L70**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	cable 2m, 4x0.25mm² in PVC
Housing material	PET (EC 1935/2004, EC 10/2011, 2023/2006 (GMP), FDA CFR 21 177)
Active surface material	PET (EC 1935/2004, EC 10/2011, 2023/2006 (GMP), FDA CFR 21 177)
Lid material	PA/PPO





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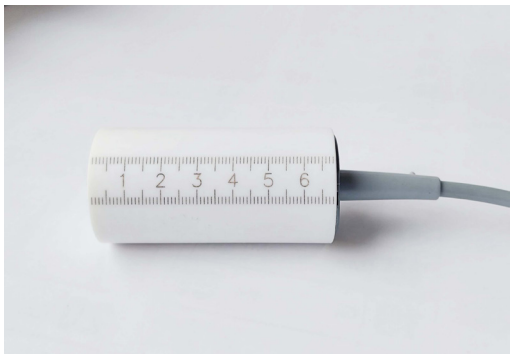
Capacitive sensor | NPN | 10-30Vdc | type CP20-D34-A-K-PET-L70

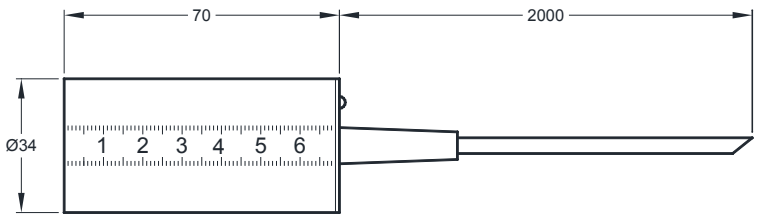


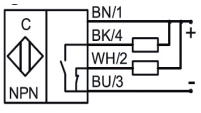
The capacitive sensor is made with a MOCA (Food Contact Materials and Objects) certified PET case and meets food safety requirements according to the following regulations:
EC 1935/2004 / EC 10/2011 / EC 2023/2006 (GMP)
FDA CFR 21 177.1630

- Dimension diameter 34 mm
- Flush mounting
- Housing PET
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	15, yes
Operating distance min./max. (mm) adjustable	0,5...25
Electrical version	4-wires DC
Output function	antivalent
Type NPN	**SM-CP014 CP20-D34-A-K-PET-L70**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	cable 2m, 4x0.25mm² in PVC
Housing material	PET (EC 1935/2004, EC 10/2011, 2023/2006 (GMP), FDA CFR 21 177)
Active surface material	PET (EC 1935/2004, EC 10/2011, 2023/2006 (GMP), FDA CFR 21 177)
Lid material	PA/PPO





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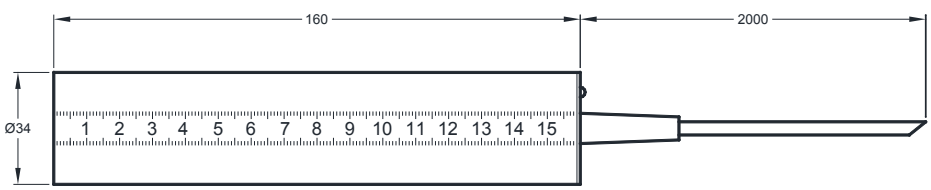
Capacitive sensor | PNP | 10-30Vdc | type CP10-D34-A-K-PET-L160

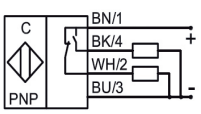
The capacitive sensor is made with a MOCA (Food Contact Materials and Objects) certified PET case and meets food safety requirements according to the following regulations:
EC 1935/2004 / EC 10/2011 / EC 2023/2006 (GMP)
FDA CFR 21 177.1630

- Dimension diameter 34 mm
- Flush mounting
- Housing PET
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	15, yes
Operating distance min./max. (mm) adjustable	0,5...25
Electrical version	4-wires DC
Output function	antivalent
Type PNP	**SM-CP013** **CP10-D34-A-K-PET-L160**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	cable 2m, 4x0.25mm² in PVC
Housing material	PET (EC 1935/2004, EC 10/2011, 2023/2006 (GMP), FDA CFR 21 177)
Active surface material	PET (EC 1935/2004, EC 10/2011, 2023/2006 (GMP), FDA CFR 21 177)
Lid material	PA/PPO





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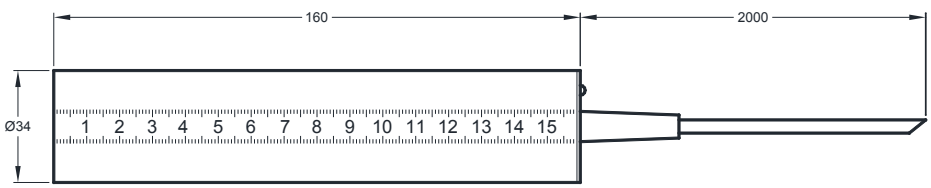
Capacitive sensor | NPN | 10-30Vdc | type CP20-D34-A-K-PET-L160

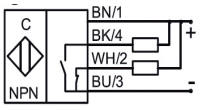
The capacitive sensor is made with a MOCA (Food Contact Materials and Objects) certified PET case and meets food safety requirements according to the following regulations:
EC 1935/2004 / EC 10/2011 / EC 2023/2006 (GMP)
FDA CFR 21 177.1630

- Dimension diameter 34 mm
- Flush mounting
- Housing PET
- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance Sn (mm), flush mounting	15, yes
Operating distance min./max. (mm) adjustable	0,5...25
Electrical version	4-wires DC
Output function	antivalent
Type NPN	**SM-CP015 CP20-D34-A-K-PET-L160**
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	< 15mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5%
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67
Norms	EN 60947-5-2
Connection	cable 2m, 4x0.25mm² in PVC
Housing material	PET (EC 1935/2004, EC 10/2011, 2023/2006 (GMP), FDA CFR 21 177)
Active surface material	PET (EC 1935/2004, EC 10/2011, 2023/2006 (GMP), FDA CFR 21 177)
Lid material	PA/PPO





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