

Емкостные датчики EasyMount

Технические характеристики

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Capacitive Sensors

Series 70 - NPN

Series 80 - PNP

EasyMount

Housing Ø 30 mm

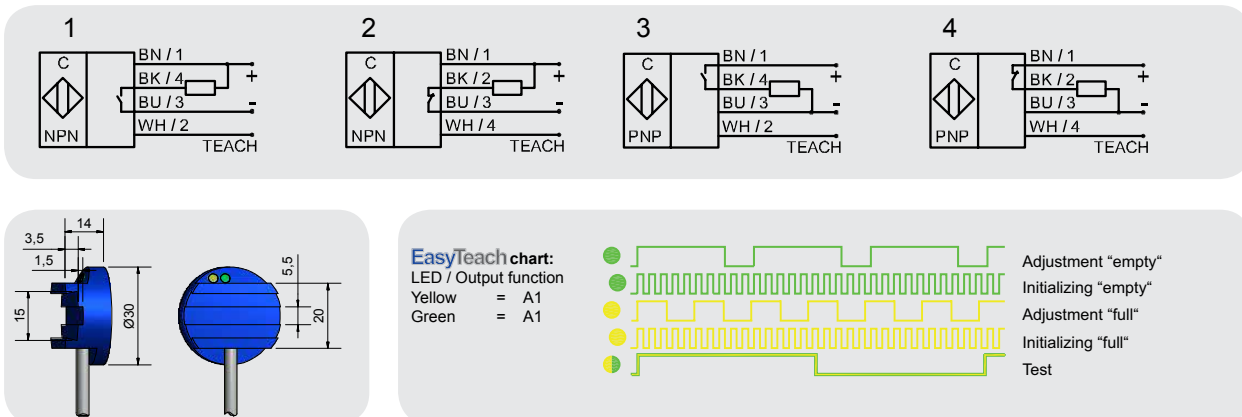
Capacitive sensor for level control of liquids

Very suitable for a measurement through non-metallic container walls

- EasyTeach by wire
- Housing material: Polyamide (PA)
- Various mounting possibilities (see accessories)
- Watertight



Technical data	Flush mountable	Flush mountable
Operating distance S_n	5 mm	5 mm
Operating distance min. / max. programmable	0...10 mm	0...10 mm
Electrical version	3 wire DC	3 wire DC
Output function	Normally open	Normally closed
Type NPN	KAS-70-30EM/15-S-D30-PA-Z02-ETW-HP KAS-70-30EM/15-Ö-D30-PA-Z02-ETW-HP	
Art.-No.	KA 1153	KA 1154
Connection diagram no.	1	2
Type PNP	KAS-80-30EM/15-S-D30-PA-Z02-ETW-HP KAS-80-30EM/15-Ö-D30-PA-Z02-ETW-HP	
Art.-No.	KA 1149	KA 1150
Connection diagram no.	3	4
Operating voltage (U_B)	10...35 V DC	10...35 V DC
Voltage drop max. (U_d)	≤ 2.0 V	≤ 2.0 V
Permitted residual ripple max.	10 %	10 %
Operating current (I_o)	0...200 mA	0...200 mA
No-load current (I_o)	Typ 15 mA	Typ. 15 mA
Frequency of operating cycles max.	2 Hz	2 Hz
Permitted ambient temperature	-25...+70 °C	-25...+70 °C
LED-display	Green / yellow	Green / yellow
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP 68	IP 68
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable	2 m PVC, 4 x 0.14 mm ²	2 m PVC, 4 x 0.14 mm ²
Housing material	PA	PA
Accessory supplied with the sensor	-	-





Capacitive Sensors

Series 80 - PNP **EasyMount**

Housing Ø 30 mm

Capacitive sensor for level control of liquids

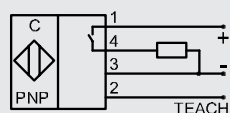
Very suitable for a measurement through non-metallic container walls

- EasyTeach by wire
- Housing material: Polyamide (PA)
- Various mounting possibilities (see accessories)
- Watertight

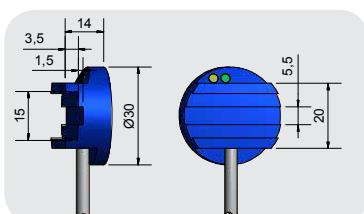
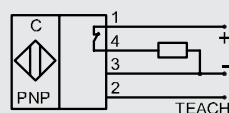


Technical data	Flush mountable
Operating distance S_n	5 mm
Operating distance min. / max. programmable	0...10 mm
Electrical version	3 wire DC
Output function	Normally open
Type NPN	
Art.-No.	
Connection diagram no.	
Type PNP	KAS-80-30EM/15-S-D30-PA-Y5C-ETW-HP
Art.-No.	KA 1511
Connection diagram no.	3
Operating voltage (U_B)	10...35 V DC
Voltage drop max. (U_o)	≤ 2.0 V
Permitted residual ripple max.	10 %
Operating current (I_o)	0...200 mA
No-load current (I_o)	Typ 15 mA
Frequency of operating cycles max.	2 Hz
Permitted ambient temperature	-25...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 68
Norm	EN 60947-5-2
Flexible connection	Connector M 12 x 1, 0.1 m, PVC, 4 x 0.14 mm ²
Housing material	PA
For matching connectors please see our selection of accessories.	

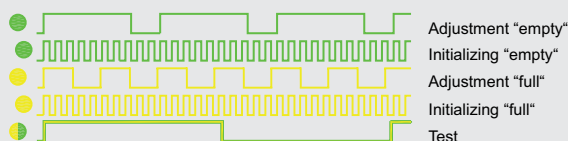
3



4



EasyTeach chart:
LED / Output function
Yellow = A1
Green = A1





Capacitive Sensors

Series 70 - NPN

Series 80 - PNP

EasyMount

Housing Ø 30 mm

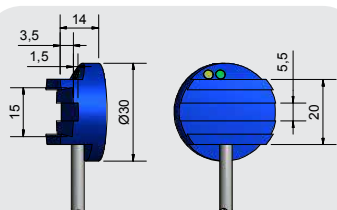
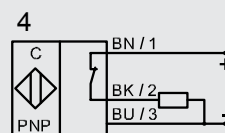
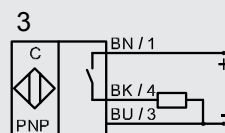
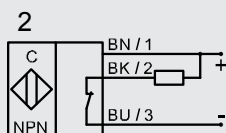
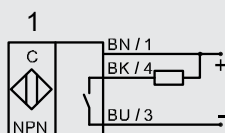
Capacitive sensor for level control of liquids

Very suitable for a measurement through non-metallic container walls

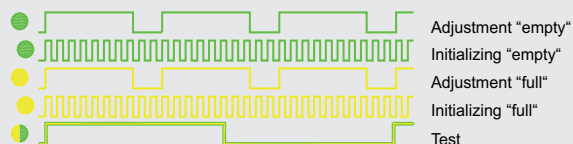
- EasyTeach by magnet (Magnet is supplied with the sensor)
- Housing material: Polyamid (PA)
- Various mounting possibilities (see accessories)
- Watertight



Technical data	Flush mountable	Flush mountable
Operating distance S_n	5 mm	5 mm
Operating distance min. / max. programmable	0...10 mm	0...10 mm
Electrical version	3 wire DC	3 wire DC
Output function	Normally open	Normally closed
Type NPN	KAS-70-30EM/15-S-D30-PA-Z02-ETM-HP	KAS-70-30EM/15-Ö-D30-PA-Z02-ETM-HP
Art.-No.	KA 1151	KA 1152
Connection diagram no.	1	2
Type PNP	KAS-80-30EM/15-S-D30-PA-Z02-ETM-HP	KAS-80-30EM/15-Ö-D30-PA-Z02-ETM-HP
Art.-No.	KA 1147	KA 1148
Connection diagram no.	3	4
Operating voltage (U_B)	10...35 V DC	10...35 V DC
Voltage drop max. (U_d)	≤ 2.0 V	≤ 2.0 V
Permitted residual ripple max.	10 %	10 %
Operating current (I_o)	0...200 mA	0...200 mA
No-load current (I_o)	Typ 15 mA	Typ. 15 mA
Frequency of operating cycles max.	2 Hz	2 Hz
Permitted ambient temperature	-25...+70°C	-25...+70°C
LED-display	Green / yellow	Green / yellow
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP68	IP 68
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable	2 m PVC, 3 x 0.14 mm ²	2 m PVC, 3 x 0.14 mm ²
Housing material	PA	PA
Accessory supplied with the sensor	Teach magnet	Teach magnet



EasyTeach chart:
LED / Output function
Yellow = A1
Green = A1





Capacitive Sensors

Series 80 - PNP **EasyMount**

Housing Ø 30 mm

- EasyTeach by magnet (Magnet is supplied with the sensor)

With manufacturer certificate

for use in zone 2

for use in zone 22

Ex II 3G Ex nA IIC T6 Gc X

Ex II 3D Ex mc IIIC T101°C Dc IP67 X



Technical data

Flush mountable

Operating distance S_n 5 mm

Operating distance min. / max. programmable 0...10 mm

Electrical version 3 wire DC

Output function Normally open

Type NPN

Art.-No.

Connection diagram no.

Type PNP

KAS-80-30/EM-S-ETM-3G-3D

Art.-No.

KA 1211

Connection diagram no. See below

Operating voltage (U_B) 10...30 V DC

Operating current (I_o) 0...150 mA

Voltage drop max. (U_d) ≤ 2.0 V

Permitted residual ripple max. 10 %

No-load current (I_o) Typ 15 mA

Frequency of operating cycles max. 2 Hz

Permitted ambient temperature -25...+70°C

LED-display Green / yellow

Protective circuit Built-in

Degree of protection IEC 60529 IP68

Norm EN 60947-5-2

Connection cable 2 m PVC, 3 x 0.14 mm²

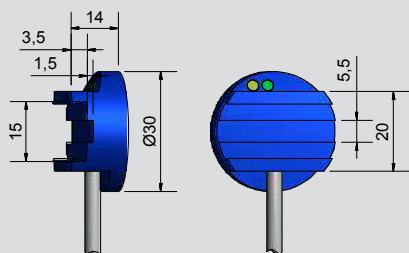
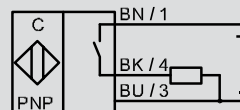
Housing material PA

Accessory supplied with the sensor Teach magnet

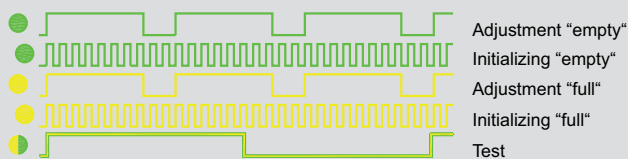
Capacitive sensor for level control of liquids

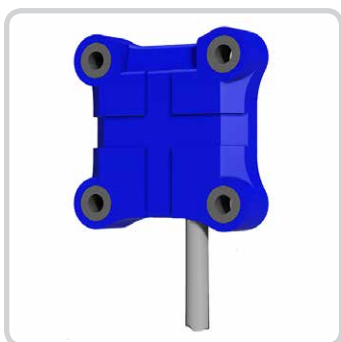
Very suitable for a measurement through non-metallic container walls

- Watertight
- Various mounting possibilities (see accessories)



EasyTeach chart:
LED / Output function
Yellow = A1, Green = A1





Capacitive Sensors

Series 80 - PNP EasyMount

Housing 34 x 34 mm

Capacitive sensor for level control of liquids

Very suitable for a measurement through non-metallic container walls

- Sensitivity adjustment with EasyTeach by wire (ETW)
- Housing material: PA / PVC
- Easy to mount, by screwing, glueing or with cable ties
- Watertight
- Flat housing - 8 mm



Technical data

Flush mountable

Operating distance S_n

5 mm

Operating distance min. / max. programmable

0...10 mm

Electrical version

3 wire DC

Output function

Normally open

Type NPN

Art.-No.

Connection diagram no.

Type PNP

KAS-80-C30EM/8-S-34x34x8-PA-Z02-ETW-HP

Art.-No.

KA 1450

Connection diagram no.

1

Operating voltage (U_B)

10...35 V DC

Voltage drop max. (U_d)

≤ 2.0 V

Permitted residual ripple max.

10 %

Operating current (I_e)

0...200 mA

No-load current (I_o)

Typ 15 mA

Frequency of operating cycles max.

2 Hz

Permitted ambient temperature

-25...+70°C

LED-display

Green / yellow

Protective circuit

Built-in

Degree of protection IEC 60529

IP68

Norm

EN 60947-5-2

Connection cable

2 m PVC, 4 x 0.14 mm²

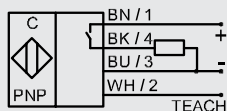
Housing material

PA / PVC

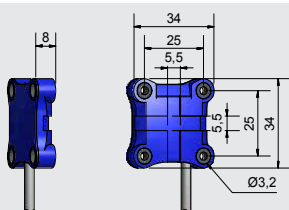
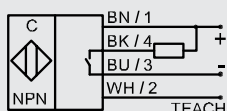
Accessories (delivered with the sensor)

-

1

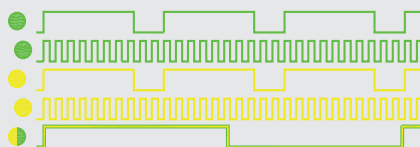


2



EasyTeach chart:

LED / Output function
Yellow = A1
Green = A1



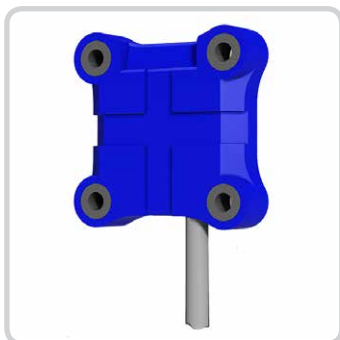
Adjustment "empty"

Initializing "empty"

Adjustment "full"

Initializing "full"

Test



Capacitive Sensors

Series 80 - PNP EasyMount

Housing 34 x 34 mm

Capacitive sensor for level control of liquids

Very suitable for a measurement through non-metallic container walls

- Sensitivity adjustment with EasyTeach by wire (ETW)
- Housing material: PA / PVC
- Easy to mount, by screwing, glueing or with cable ties
- Watertight
- Flat housing - 8 mm



Technical data

Flush mountable

Operating distance S_n

5 mm

Operating distance min. / max. programmable

0...10 mm

Electrical version

3 wire DC

Output function

Normally open

Type NPN

Art.-No.

Connection diagram no.

Type PNP

KAS-80-C30EM/8-S-34x34x8-PA-Y5C-ETW-HP

Art.-No.

KA 1512

Connection diagram no.

1

Operating voltage (U_B)

10...35 V DC

Voltage drop max. (U_d)

≤ 2.0 V

Permitted residual ripple max.

10 %

Operating current (I_e)

0...200 mA

No-load current (I_o)

Typ 15 mA

Frequency of operating cycles max.

2 Hz

Permitted ambient temperature

-25...+70°C

LED-display

Green / yellow

Protective circuit

Built-in

Degree of protection IEC 60529

IP68

Norm

EN 60947-5-2

Flexible connection

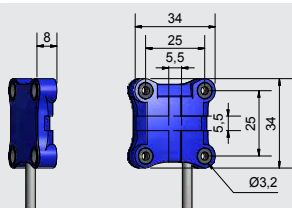
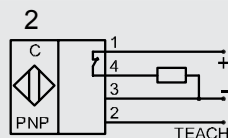
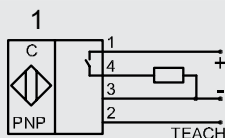
Connector M 12 x 1, 0.1 m, PVC, 4 x 0.14 mm²

Housing material

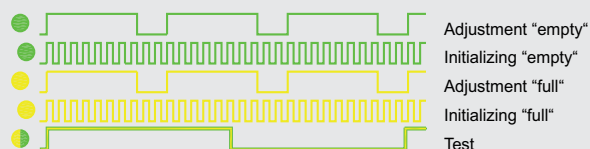
PA / PVC

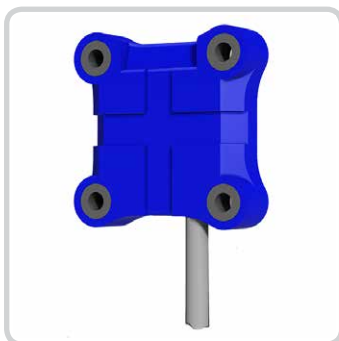
For matching connectors please see our selection of accessories.

-



EasyTeach chart:
LED / Output function
Yellow = A1
Green = A1





Capacitive Sensors

Series 80 - PNP EasyMount

Housing 34 x 34 mm

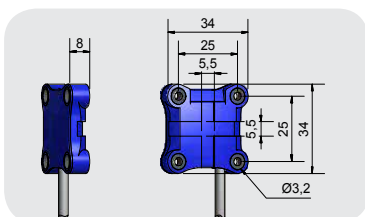
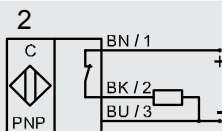
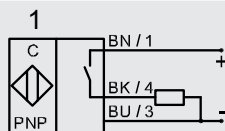
Capacitive sensor for level control of liquids

Very suitable for a measurement through non-metallic container walls

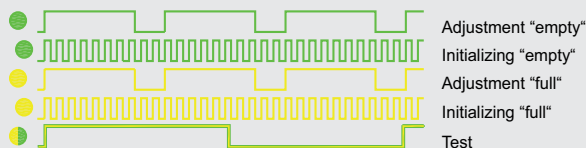
- Housing material: PA / PVC
- Easy to mount, by screwing, glueing or with cable ties
- Watertight
- Sensitivity adjustment with EasyTeach by Magnet (ETM)
- Magnet delivered with the sensor
- Flat housing - 8 mm



Technical data	Flush mountable	Flush mountable
Operating distance S_n	5 mm	5 mm
Operating distance min. / max. programmable	0...10 mm	0...10 mm
Electrical version	3 wire DC	3 wire DC
Output function	Normally open	Normally closed
Type NPN		
Art.-No.		
Connection diagram no.		
Type PNP	KAS-80-C30EM/8-S-34x34x8-PA-Z02-ETM-HP	KAS-80-C30EM/8-Ö-34x34x8-PA-Z02-ETM-HP
Art.-No.	KA 1451	KA 1476
Connection diagram no.	1	2
Operating voltage (U_b)	10...35 V DC	10...35 V DC
Voltage drop max. (U_d)	≤ 2.0 V	≤ 2.0 V
Permitted residual ripple max.	10 %	10 %
Operating current (I_e)	0...200 mA	0...200 mA
No-load current (I_o)	Typ 15 mA	Typ 15 mA
Frequency of operating cycles max.	2 Hz	2 Hz
Permitted ambient temperature	-25...+70°C	-25...+70°C
LED-display	Green / yellow	Green / yellow
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP68	IP68
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable	2 m PVC, 3 x 0.14 mm ²	2 m PVC, 3 x 0.14 mm ²
Housing material	PA / PVC	PA / PVC
Accessories (delivered with the sensor)	Teach magnet	Teach magnet



EasyTeach chart:
LED / Output function
Yellow = A1
Green = A1





По вопросам продаж и поддержки обращайтесь:

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