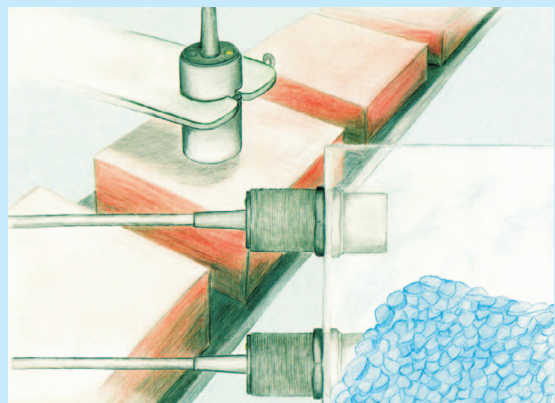






CAPACITIVE SENSORS KAS

NormLine

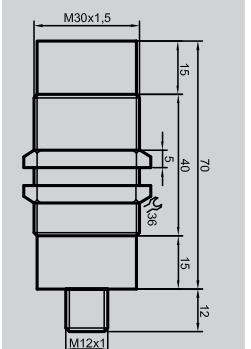
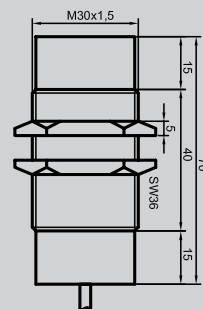
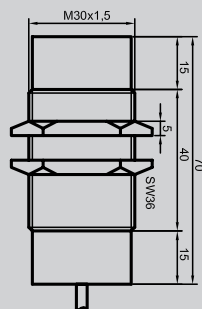
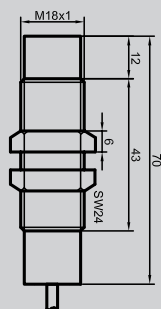


CAPACITIVE SENSORS NormLine

Housing	M18 x 1	M30 x 1.5	M30 x 1.5	M30 x 1.5
CE				
Technical data				
Operating distance S_n [mm], flush mounting	8, no	15, no	15, no	15, no
Operating distance min./max. [mm] adjustable	1...10	2...25	2...25	2...25
Type NPN NO	KAS-70-A23-S-K-NL	KAS-70-A24-S-K-NL	KAS-70-A24-S-NL	
Type NPN NC				
Type NPN antivalent	KAS-70-A23-A-K-NL	KAS-70-A24-A-K-NL	KAS-70-A24-A-NL	KAS-70-A24-A-K-Y3-NL
Type PNP NO	KAS-80-A23-S-K-NL	KAS-80-A24-S-K-NL	KAS-80-A24-S-NL	
Type PNP NC				
Type PNP antivalent	KAS-80-A23-A-K-NL	KAS-80-A24-A-K-NL	KAS-80-A24-A-NL	KAS-80-A24-A-K-Y3-NL
Type NPN/PNP-NO/NC switchable				
Type AC/DC NO				
Type AC/DC NC				
Operating voltage (U_B)	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
Output current max. (I_e)	200 mA / 2 x 200 mA	200 mA / 2 x 200 mA	200 mA / 2 x 200 mA	2 x 200 mA
No-load current (I_0)	< 8 mA	< 8 mA	< 8 mA	< 8 mA
Frequency of operating cycles max.	50 Hz	50 Hz	50 Hz	50 Hz
Permitted ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
LED-display	yes	yes	yes	yes
Protective circuit	yes	yes	yes	yes
Degree of protection IEC 529*	IP 67	IP 67	IP 67	IP 67
Connection	2 m cable	2 m cable	2 m cable	plastic flange connector M12 x 1
Housing material	PA / PPO	PA / PPO	brass	PA / PPO
Active surface	PA / PPO	PA / PPO	PA / PPO	PA / PPO
Lid	PA / PPO	PA / PPO	PA / PPO	PA / PPO

Dimension

* with sealed potentiometer screw



CAPACITIVE SENSORS *NormLine*

M30 x 1.5

Connector M12



15, no

2...25

Connector No. 57
4-pin for
flange connector M12 x 1
Y3 NPN/PNP

KAS-70-A24-A-Y3-NL

KAS-80-A24-A-Y3-NL

10...30 V DC

2 x 200 mA

< 8 mA

50 Hz

-25...+70°C

yes

yes

IP 67

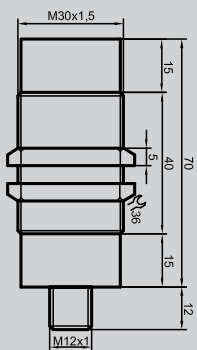
plastic flange connector
M12 x 1

5 m cable

brass

PA / PPO

PA / PPO



Serie 70 - NPN

Serie 80 - PNP

Capacitive sensors go *NormLine*



Capacitive sensors, just like inductive and optical sensors are subject to a harmonised norm IEC 60947-5-2. All the main important technical data and features are stated within this norm. Meeting these standards makes life easy for the user with regard to selection and replacement of sensors. *NormLine* sensors guarantee a free trade in the common market, ensure excellent quality, and reduce down time in industry.

All these demands are met by *NormLine* sensors, the recommended types are ideal for standard applications, meeting international standards giving the user off the shelf items and latest technology for an economic price.

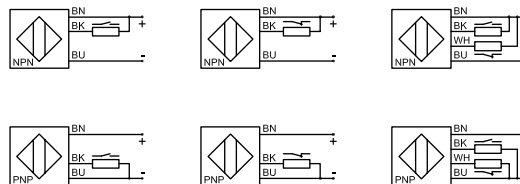
Where the application demands more from the sensor, such as use in high temperature areas, ATEX applications, pharmaceutical, chemical or food industry, please refer to our *high performance* standard series of high-tech capacitive sensors.

RECHNER SENSORS – capacitive sensing technology
NormLine most typical applications
Level control of

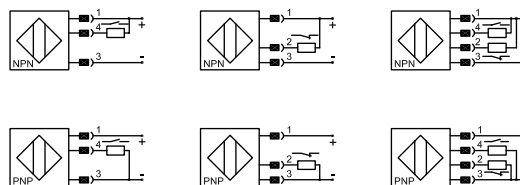
- liquids
 - water
 - waste water
 - oil and grease
- solids
 - granulate
 - pellets
 - chips
 - powder

Connection diagrams

KAS... with cable connection



KAS... with flange connector



SENSORS FOR INDUSTRIAL AUTOMATION

CAPACITIVE • INDUCTIVE MAGNETORESISTIVE CALORIMETRIC

Ask for further catalogues:

CAPACITIVE SENSORS KAS

CAPACITIVE SENSORS KXS

CAPACITIVE LEVEL MEASURING SYSTEMS

INDUCTIVE SENSORS

MAGNETORESISTIVE SENSORS

POWER SUPPLIES AND CONTROLLERS

FLOW SENSORS

ATEX CERTIFIED PRODUCTS

Your Representative

RECHNER INDUSTRIE-ELEKTRONIK GmbH
Gaußstraße 8-10 68623 Lampertheim Germany
Tel. (0 62 06) 50 07-0 Fax (0 62 06) 50 07-36 Fax Intl. +49 (0) 62 06 50 07-20
www.rechner-sensors.de e-mail: info@rechner-sensors.de