

Емкостные датчики NormLine KAS M12, M18

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
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Ижевск (3412)26-03-58
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Липецк (4742)52-20-81

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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
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Саранск (8342)22-96-24
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Смоленск (4812)29-41-54
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Сургут (3462)77-98-35
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Томск (3822)98-41-53
Тула (4872)33-79-87
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Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
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Челябинск (351)202-03-61
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CAPACITIVE SENSORS *NormLine*

Housing

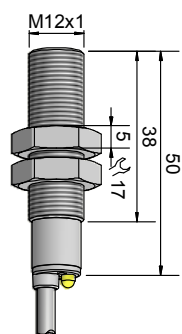
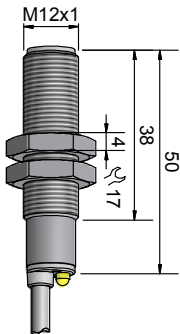
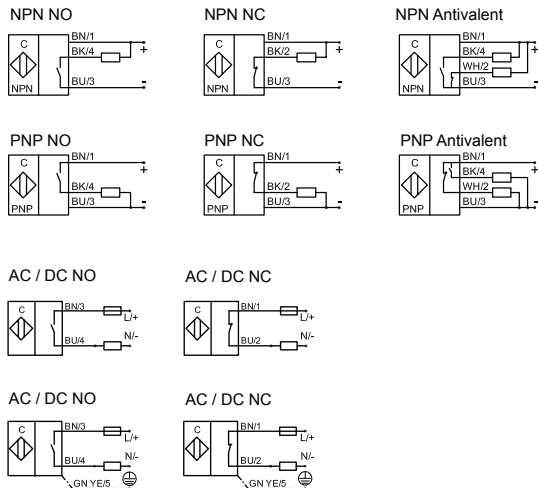
M 12 x 1

M 12 x 1



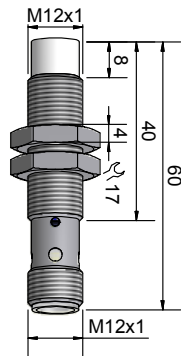
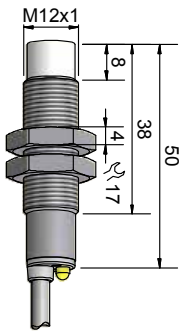
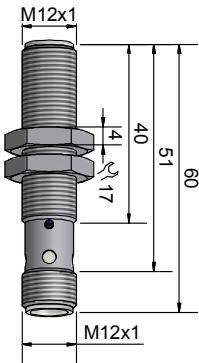
Technical data	Flush mountable		Flush mountable	
Sensing distance S_n , [mm]	2 mm		2 mm	
Sensing distance min. / max. [mm] adjustable	0.5...5 mm		0.5...5 mm	
	Type code	Art. No.	Type code	Art. No.
Type NPN antivalent (NO / NC)	KAS-70-A12-A-M12-PTFE/VAb-Z02-1-NL	KA 0705	KAS-70-A12-A-M12-PPO-Z02-1-NL	KA 0706
Type NPN normally open (NO)	KAS-70-A12-S-M12-PTFE/VAb-Z02-1-NL	KA 0673		
Type PNP antivalent (NO / NC)	KAS-80-A12-A-M12-PTFE/VAb-Z02-1-NL	KA 0671	KAS-80-A12-A-M12-PPO-Z02-1-NL	KA 0708
Type PNP normally open (NO)	KAS-80-A12-S-M12-PTFE/VAb-Z02-1-NL	KA 0669	KAS-80-A12-S-M12-PPO-Z02-1-NL	KA 0709
Type AC / DC normally open (NO)				
Type AC / DC normally closed (NC)				
Certificates	CE, RoHS, UL-CSA		CE, RoHS, UL-CSA	
Operating voltage (U_B)	12...30 V DC		12...30 V DC	
Output current (I_o)	200 mA / 2 x 200 mA		200 mA / 2 x 200 mA	
No load current (I_o)	< 15 mA		< 15 mA	
Load current min.	-		-	
Frequency of operating cycles max.	300 Hz		300 Hz	
Permitted ambient temperature	-25...+70 °C		-25...+70 °C	
LED display	Yes		Yes	
Protective circuit	Yes		Yes	
Norm	IEC 60947-5-2		IEC 60947-5-2	
Degree of protection IEC 60529*	IP 67*		IP 67*	
Connection	2 m cable, PUR, 3 x 0.14 mm ² 4 x 0.14 mm ² for antivalent		2 m cable, PUR, 3 x 0.14 mm ² 4 x 0.14 mm ² for antivalent	
Housing material	VA No. 1.4305		PA / PPO	
Active surface	PA / PPO		PA / PPO	
Lid	PA / PPO		PA / PPO	

*With sealed potentiometer screw



Dimension M 12 x 1

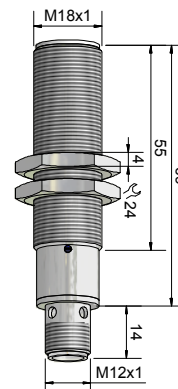
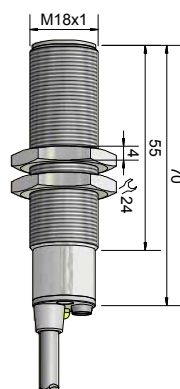
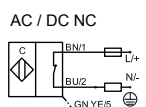
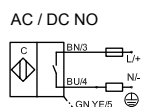
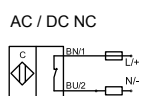
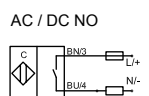
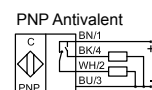
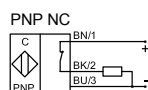
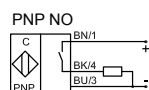
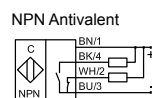
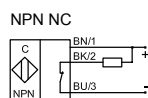
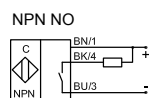
M 12 x 1		M 12 x 1		M 12 x 1	
					
Flush mountable		Non-flush mountable		Non-flush mountable	
2 mm		4 mm		4 mm	
0.5...5 mm		1...8 mm		1...8 mm	
Type code	Art. No.	Type code	Art. No.	Type code	Art. No.
KAS-70-A12-A-M12-PPO/VAb-Y5-1-NL	KA 0710	KAS-70-A22-A-M12-PTFE/VAb-Z02-1-NL	KA 0711	KAS-70-A22-A-M12-PTFE/VAb-Y5-1-NL	KA 0715
		KAS-70-A22-S-M12-PTFE/VAb-Z02-1-NL	KA 0712		
KAS-80-A12-A-M12-PPO/VAb-Y5-1-NL	KA 0670	KAS-80-A22-A-M12-PTFE/VAb-Z02-1-NL	KA 0713	KAS-80-A22-A-M12-PTFE/VAb-Y5-1-NL	KA 0716
		KAS-80-A22-S-M12-PTFE/VAb-Z02-1-NL	KA 0714		
CE, RoHS, UL-CSA		CE, RoHS, UL-CSA		CE, RoHS, UL-CSA	
12...30 V DC		12...30 V DC		12...30 V DC	
2 x 200 mA		200 mA / 2 x 200 mA		2 x 200 mA	
< 15 mA		< 15 mA		< 15 mA	
-		-		-	
300 Hz		50 Hz		50 Hz	
-25...+70 °C		-25...+70 °C		-25...+70 °C	
Yes		Yes		Yes	
Yes		Yes		Yes	
IEC 60947-5-2		IEC 60947-5-2		IEC 60947-5-2	
IP 67*		IP 67*		IP 67*	
Flange connector M 12 x 1		2 m cable, PUR, 3 x 0.14 mm² 4 x 0.14 mm² for antivalent		Flange connector M 12 x 1	
VA No. 1.4305		VA No. 1.4305		VA No. 1.4305	
PA / PPO		PTFE (FDA 21 CFR 177.1550)		PTFE (FDA 21 CFR 177.1550)	
-		PA / PPO		-	



CAPACITIVE SENSORS *NormLine*

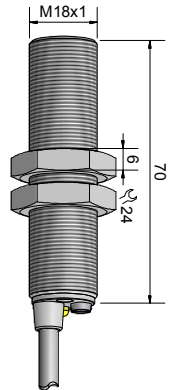
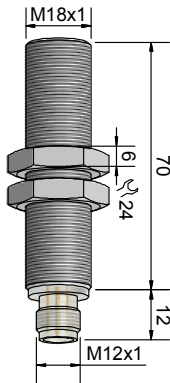
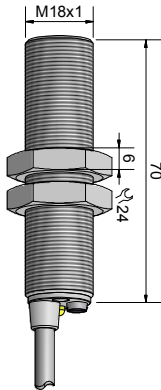
Housing	M 18 x 1		M 18 x 1	
				
Technical data	Flush mountable		Flush mountable	
Sensing distance S_n , [mm]	5 mm		5 mm	
Sensing distance min. / max. [mm] adjustable	1...8 mm		1...8 mm	
	Type code	Art. No.	Type code	Art. No.
Type NPN antivalent (NO / NC)	KAS-70-A13-A-M18-PPO/MS-Z02-1-NL	KA 0718		
Type NPN normally open (NO)	KAS-70-A13-S-M18-PPO/MS-Z02-1-NL	KA 0672		
Type PNP antivalent (NO / NC)	KAS-80-A13-A-M18-PPO/MS-Z02-1-NL	KA 0668	KAS-80-A13-A-M18-PPO/MS-Y5-1-NL	KA 0667
Type PNP normally open (NO)	KAS-80-A13-S-M18-PPO/MS-Z02-1-NL	KA 0666		
Type AC / DC normally open (NO)				
Type AC / DC normally closed (NC)				
Certificates	CE, RoHS, UL-CSA		CE, RoHS, UL-CSA	
Operating voltage (U_B)	12...30 V DC		12...30 V DC	
Output current (I_o)	200 mA / 2 x 200 mA		2 x 200 mA	
No load current (I_o)	< 15 mA		< 15 mA	
Load current min.	-		-	
Frequency of operating cycles max.	200 Hz		200 Hz	
Permitted ambient temperature	-25...+70 °C		-25...+70 °C	
LED display	Yes		Yes	
Protective circuit	Yes		Yes	
Norm	IEC 60947-5-2		IEC 60947-5-2	
Degree of protection IEC 60529*	IP 67*		IP 67*	
Connection	2 m cable, PUR, 3 x 0.34 mm ² PVC, 4 x 0.34 mm ² for antivalent		Flange connector M 12 x 1	
Housing material	Brass		Brass	
Active surface	PA / PPO		PA / PPO	
Lid	PA / PPO		-	

*With sealed potentiometer screw



Dimension M 18 x 1

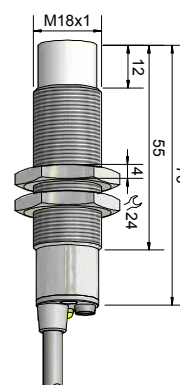
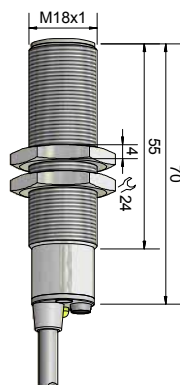
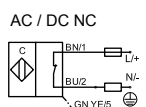
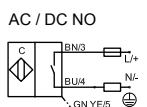
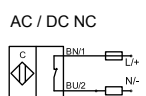
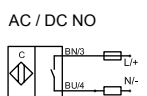
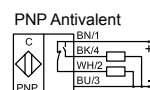
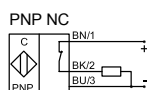
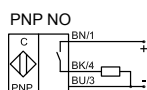
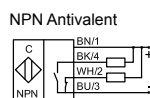
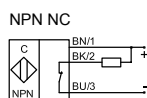
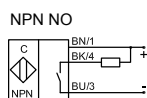
M 18 x 1		M 18 x 1		M 18 x 1	
					
Flush mountable		Flush mountable		Flush mountable	
5 mm		5 mm		5 mm	
1...8 mm		1...8 mm		1...8 mm	
Type code	Art. No.	Type code	Art. No.	Type code	Art. No.
KAS-70-A13-A-M18-PPO-Z02-1-NL	KA 0637				
KAS-70-A13-S-M18-PPO-Z02-1-NL	KA 0648	KAS-70-A13-S-M18-PPO-Y3-1-NL	KA 0609		
KAS-80-A13-A-M18-PPO-Z02-1-NL	KA 0680	KAS-80-A13-A-M18-PPO-Y3-1-NL	KA 0607		
KAS-80-A13-S-M18-PPO-Z02-1-NL	KA 0717				
				KAS-90-A13-S-M18-PPO-Z02-1-NL	KA0634
				KAS-90-A13-Ö-M18-PPO-Z02-1-NL	KA0724
CE, RoHS, UL-CSA		CE, RoHS, UL-CSA		CE, RoHS, UL-CSA	
12...30 V DC		12...30 V DC		20...250 V AC / DC	
200 mA / 2 x 200 mA		200 mA / 2 x 200 mA		250 mA	
< 15 mA		< 15 mA		< 2,5 mA	
-		-		5 mA	
200 Hz		200 Hz		25 Hz	
-25...+70 °C		-25...+70 °C		-25...+70 °C (ETL = +60 °C)	
Yes		Yes		Yes	
Yes		Yes		Yes	
IEC 60947-5-2		IEC 60947-5-2		IEC 60947-5-2	
IP 67*		IP 67*		IP 67*	
2 m cable, PUR, 3 x 0.34 mm² PVC, 4 x 0.34 mm² for antivalent		Flange connector M 12 x 1		2 m cable, PUR 2 x 0.34 mm²	
PA / PPO		PA / PPO		PA / PPO	
PA / PPO		PA / PPO		PA / PPO	
PA / PPO		-		PA / PPO	



CAPACITIVE SENSORS *NormLine*

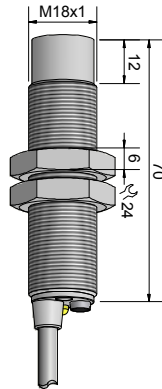
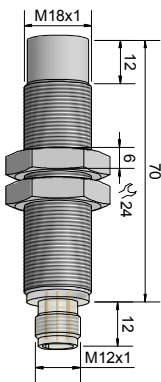
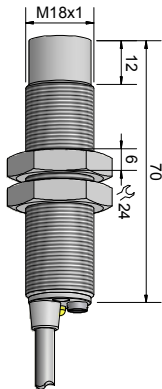
Housing	M 18 x 1		M 18 x 1	
				
Technical data	Flush mountable		Non-flush mountable	
Sensing distance S_n , [mm]	5 mm		8 mm	
Sensing distance min. / max. [mm] adjustable	1...8 mm		1...10 mm	
	Type code	Art. No.	Type code	Art. No.
Type NPN antivalent (NO / NC)			KAS-70-A23-A-M18-PTFE/MS-Z02-1-NL	KA 0437
Type NPN normally open (NO)				
Type PNP antivalent (NO / NC)			KAS-80-A23-A-M18-PTFE/MS-Z02-1-NL	KA0725
Type PNP normally open (NO)				
Type AC / DC normally open (NO)	KAS-90-A13-S-M18-PPO/MS-Z02-1-NL	KA 0676		
Type AC / DC normally closed (NC)	KAS-90-A13-Ö-M18-PPO/MS-Z02-1-NL	KA 0677		
Certificates	CE, RoHS, UL-CSA		CE, RoHS, UL-CSA	
Operating voltage (U_B)	20...250 V AC / DC		12...30 V DC	
Output current (I_o)	250 mA		2 x 200 mA	
No load current (I_o)	< 2,5 mA		< 15 mA	
Load current min.	5 mA		-	
Frequency of operating cycles max.	25 Hz		50 Hz	
Permitted ambient temperature	-25...+70 °C (ETL = +60 °C)		-25...+70 °C	
LED display	Yes		Yes	
Protective circuit	Yes		Yes	
Norm	IEC 60947-5-2		IEC 60947-5-2	
Degree of protection IEC 60529*	IP 67*		IP 67*	
Connection	2 m cable, PUR, 3 x 0.34 mm ²		2 m cable, PVC, 4 x 0.34 mm ²	
Housing material	Brass		Brass	
Active surface	PPO		PTFE (FDA 21 CFR 177.1550)	
Lid	PPO		PA / PPO	

*With sealed potentiometer screw



Dimension M 18 x 1

M 18 x 1		M 18 x 1		M 18 x 1	
					
Non-flush mountable		Non-flush mountable		Non-flush mountable	
8 mm		8 mm		8 mm	
1...10 mm		1...10 mm		1...10 mm	
Type code	Art. No.	Type code	Art. No.	Type code	Art. No.
KAS-70-A23-A-M18-PPO-Z02-1-NL	KA 0362				
KAS-70-A23-S-M18-PPO-Z02-1-NL	KA 0368				
KAS-80-A23-A-M18-PPO-Z02-1-NL	KA 0325	KAS-80-A23-A-M18-PPO-Y3-1-NL	KA 0445		
KAS-80-A23-S-M18-PPO-Z02-1-NL	KA 0324				
				KAS-90-A23-S-M18-PPO-Z02-1-NL	KA 0605
				KAS-90-A23-Ö-M18-PPO-Z02-1-NL	KA 0606
CE, RoHS, UL-CSA		CE, RoHS, UL-CSA		CE, RoHS, UL-CSA	
12...30 V DC		12...30 V DC		20...250 V AC / DC	
200 mA / 2 x 200 mA		2 x 200 mA		250 mA	
< 15 mA		< 15 mA		< 2,5 mA	
-		-		5 mA	
50 Hz		50 Hz		25 Hz	
-25...+70 °C		-25...+70 °C		-25...+70 °C (ETL = +60 °C)	
Yes		Yes		Yes	
Yes		Yes		Yes	
IEC 60947-5-2		IEC 60947-5-2		IEC 60947-5-2	
IP 67*		IP 67*		IP 67	
2 m cable, PUR, 3 x 0.34 mm² PVC, 4 x 0.34 mm² for antivalent		Flange connector M 12 x 1		2 m cable, PVC, 2 x 0,34 mm²	
PA / PPO		PA / PPO		PA / PPO	
PA / PPO		PA / PPO		PA / PPO	
PA / PPO		-		PA / PPO	





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