Индуктивные датчики IAS-10-A21, IAS-10-14-S-PA, IAS-20-A12, IAS-10-A12

Технические характеристики

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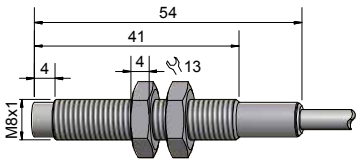
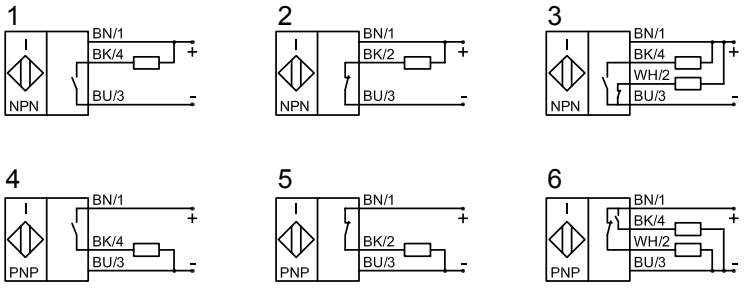
Inductive Sensors
Series 20 - NPN
Series 10 - PNP

Housing M 8 x 1
- Housing material: Stainless steel VA
- Sensing distance Sn = 2 mm

Certificate:

Technical data	Non-flush mountable
Operating distance S_n	2 mm
Electrical version	3-wire DC
Output	Normally open (NO)
Type NPN	
Art.-No.	
Connection diagram No.	
Type PNP	**IAS-10-A21-S-M8-PVC/ VAb-Z02-0**
Art.-No.	**101 200**
Connection diagram No.	4
Operating voltage (U_B)	10...35 V DC
Output current max. (I_e)	150 mA
Voltage drop max. (U_d)	≤ 3.5 V
Permitted residual ripple max.	5 %
No-load current (I_o)	Typ. 10 mA
Frequency of operating cycles max.	1 kHz
Permitted ambient temperature	-25...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60 947-5-2
Connection cable	2 m, PUR, 3 x 0.14 mm²
Housing material	VA No. 1.4305
Active surface	PVC
Lid	PC (FDA 21 CFR 177.1580)





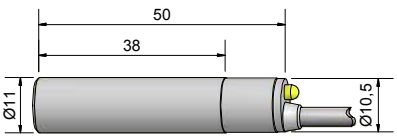
Inductive Sensors

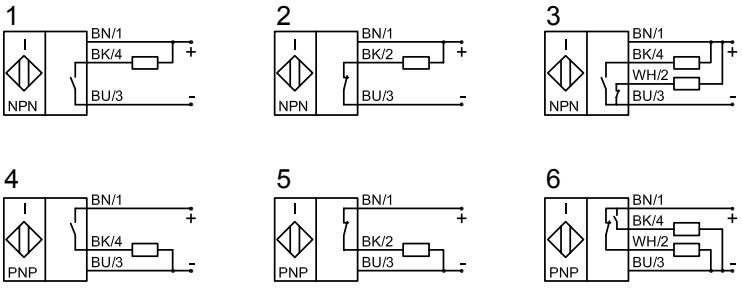
Series 10 - PNP

Housing Ø 11 mm
- Housing material: PA / PPO
- Sensing distance Sn = 5 mm

Certificate:

Technical data	Non-flush mountable
Operating distance S_n	5 mm
Electrical version	3-wire DC
Output	Normally open (NO)
Type NPN	
Art.-No.	
Connection diagram No.	
Type PNP	**IAS-10-14-S-PA-Z02-0**
Art.-No.	**115 300**
Connection diagram No.	4
Operating voltage (U_B)	10...35 V DC
Output current max. (I_e)	150 mA
Voltage drop max. (U_d)	≤ 2.5 V
Permitted residual ripple max.	10 %
No-load current (I_o)	Typ. 15 mA
Frequency of operating cycles max.	2 kHz
Permitted ambient temperature	-25...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60 947-5-2
Connection cable	2 m, PUR, 3 x 0.14 mm²
Housing material	PA / PPO
Active surface	PA / PPO
Lid	PA / PPO



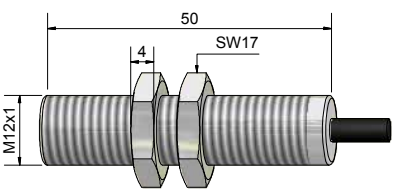


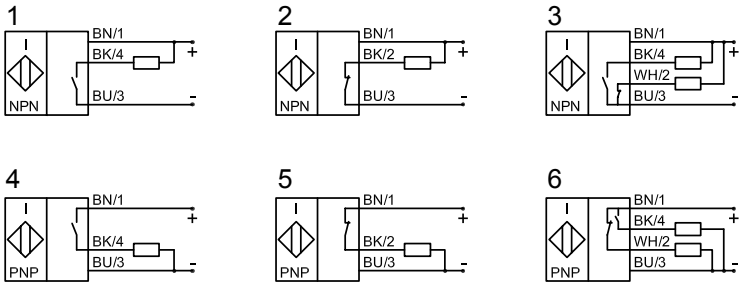
Inductive Sensors
Series 20 - NPN
Series 10 - PNP

Housing M 12 x 1
- Housing material: Brass
- Sensing distance Sn = 2 mm

Certificate:

Technical data	Flush mountable
Operating distance S_n	2 mm
Electrical version	3-wire DC
Output	Normally open (NO)
Type NPN	**IAS-20-A12-S-M12-PBT/ MS-Z03-0**
Art.-No.	**IA 0246**
Connection diagram No.	1
Type PNP	**IAS-10-A12-S-M12-PBT/ MS-Z03-0**
Art.-No.	**IA 0247**
Connection diagram No.	4
Operating voltage (U_B)	10...30 V DC
Output current max. (I_e)	200 mA
Voltage drop max. (U_d)	≤ 3 V
Permitted residual ripple max.	-
No-load current (I_o)	Typ. 17 mA
Frequency of operating cycles max.	1,5 kHz
Permitted ambient temperature	-25...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection cable	3 m, PUR, 3 x 0,14 mm²
Housing material	Brass
Active surface	PBT
Lid	BPT



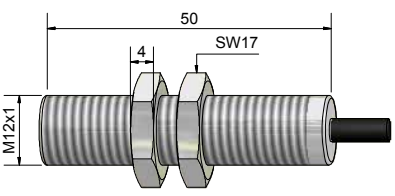


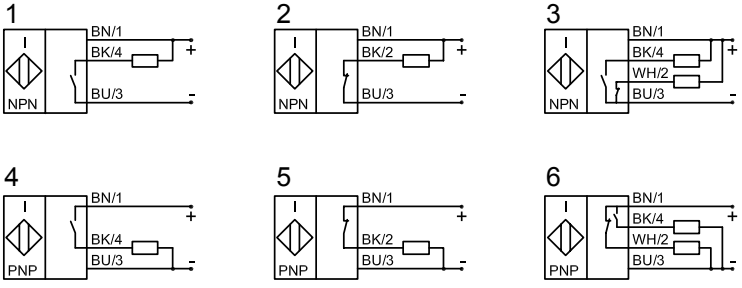
Inductive Sensors

Series 10 - PNP

Housing M 12 x 1
- Housing material: Brass
- Sensing distance Sn = 4 mm

Technical data	Flush mountable
Operating distance S_n	4 mm
Electrical version	3-wire DC
Output	Normally open (NO)
Type NPN	
Art.-No.	
Connection diagram No.	
Type PNP	**IAS-10-A12-S-M12-PBTB/ MS-Z02-0**
Art.-No.	**IA 0184**
Connection diagram No.	4
Operating voltage (U_B)	10...30 V DC
Output current max. (I_e)	200 mA
Voltage drop max. (U_d)	≤ 2 V
Permitted residual ripple max.	20 %
No-load current (I_o)	Typ. 10 mA
Frequency of operating cycles max.	2 kHz
Permitted ambient temperature	-25...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection cable	2 m, PVC, 3 x 0,14 mm²
Housing material	Brass
Active surface	PBTP
Lid	PA





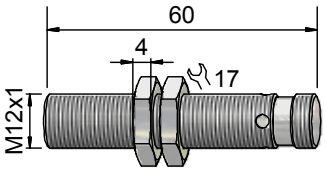
Inductive Sensors

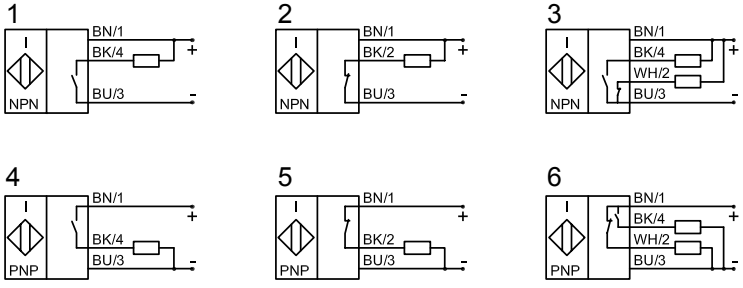
Series 10 - PNP

Housing M 12 x 1
- Housing material: Brass
- With increased sensing distance
- Sensing distance Sn = 4 mm
- With flange connector M 12 x 1

Certificate:

Technical data	Flush mountable
Operating distance S_n	4 mm
Electrical version	3-pin DC
Output	Normally open (NO)
Type NPN	
Art.-No.	
Connection diagram No.	
Type PNP	**IAS-10-A12-S-M12-PBT/ MS-Y5-0**
Art.-No.	**IA 0175**
Connection diagram No.	4
Operating voltage (U_B)	10...30 V DC
Output current max. (I_e)	200 mA
Voltage drop max. (U_d)	≤ 2 V
Permitted residual ripple max.	20 %
No-load current (I_o)	Typ. 10 mA
Frequency of operating cycles max.	2 kHz
Permitted ambient temperature	-25...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60 947-5-2
Connection	Connector M 12 x 1
Housing material	Brass
Active surface	PBTP
Lid	-





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