

Индуктивные датчики IAS-20-A11, IAS-10-A11, IAS-10-M8

Технические характеристики

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Inductive Sensors Series 20 - NPN

Housing M 8 x 1

- Housing material: Stainless steel VA
- Sensing distance $S_n = 2$ 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-A11-S-M8-PA/
VAb-Z02-0**

Art.-No. IA 0146

Connection diagram No. 1

Type PNP

Art.-No.

Connection diagram No.

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

Output current max. (I_o) ≤ 200 mA

Voltage drop max. (U_d) ≤ 2 V

Permitted residual ripple max. 20 %

No-load current (I_o) ≤ 10 mA

Frequency of operating cycles max. 5 kHz

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

LED-display Yes

Protective circuit Built-in

Degree of protection IEC 60529 IP 67

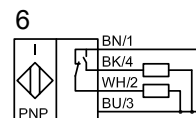
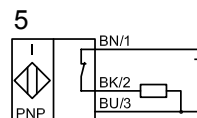
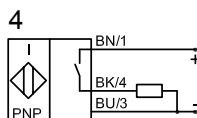
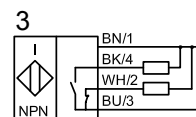
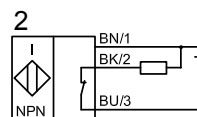
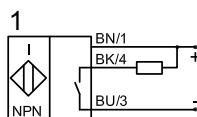
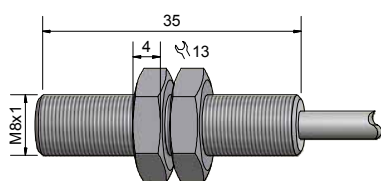
Norm EN 60 947-5-2

Connection cable 2 m, PVC, 3 x 0.14 mm²

Housing material VA No. 1.4305

Active surface PA

Lid PA





Inductive Sensors Series 10 - PNP

Housing M 8 x 1

- Housing material: Stainless steel VA
- Sensing distance $S_n = 1$ mm

Certificate:



Technical data

Flush mountable

Operating distance S_n	1 mm
Electrical version	3-wire DC
Output	Normally

Type NPN

Art.-No.	
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Connection diagram No.

Type PNP	IAS-10-A11-S-M8-PVC/VAb-Z02-0
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Art.-No.	100 500
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Connection diagram No.	4
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Operating voltage (U_B)	10...35 V DC
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Output current max. (I_o)	150 mA
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Voltage drop max. (U_d)	≤ 3.5 V
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Permitted residual ripple max.	5 %
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No-load current (I_o)	Typ. 10 mA
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Frequency of operating cycles max.	1 kHz
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Permitted ambient temperature	-25...+70 °C
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LED-display	Yellow
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Protective circuit	Built-in
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Degree of protection IEC 60529	IP 67
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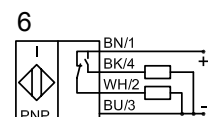
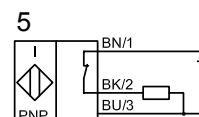
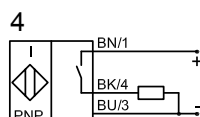
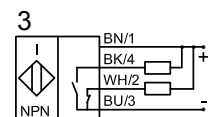
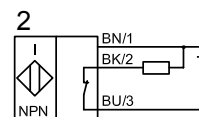
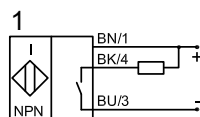
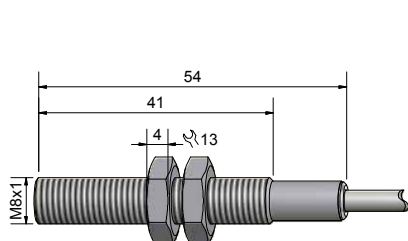
Norm	EN 60 947-5-2
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Connection cable	2 m, PUR, 3 x 0.14 mm ²
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Housing material	VA No. 1.4305
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Active surface	PVC
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Lid	PC (FDA 21 CFR 177.1580)
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Inductive Sensors

Series 10 - PNP

Housing M 8 x 1

- Housing material: Stainless steel VA
- Sensing distance $S_n = 1.5 \text{ mm}$

Certificate:



Technical data

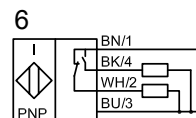
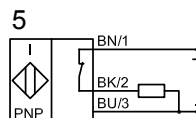
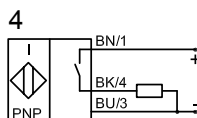
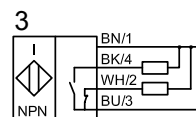
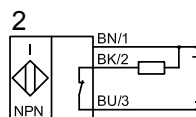
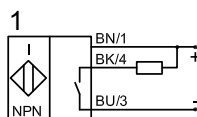
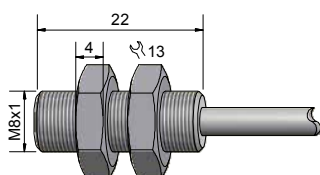
	Flush mountable	Flush mountable
Operating distance S_n	1.5 mm	1.5 mm
Electrical version	3-wire DC	3-wire DC
Output	Normally open (NO)	Normally closed (NC)

Type NPN

Art.-No.

Connection diagram No.

Type PNP	IAS-10-M8-S-PVC/VAb-Z02-0	IAS-10-M8-Ö-PVC/VAb-Z02-0
Art.-No.	IA 0273	IA 0275
Connection diagram No.	4	5
Operating voltage (U_B)	10...30 V DC	10...30 V DC
Output current max. (I_o)	$\leq 200 \text{ mA}$	$\leq 200 \text{ mA}$
Voltage drop max. (U_d)	$\leq 2 \text{ V}$	$\leq 2 \text{ V}$
Permitted residual ripple max.	20 %	20 %
No-load current (I_o)	$\leq 10 \text{ mA}$	$\leq 10 \text{ mA}$
Frequency of operating cycles max.	5 kHz	5 kHz
Permitted ambient temperature	-25...+70 °C	-25...+70 °C
LED-display	Yes	Yes
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP 67	IP 67
Norm	EN 60 947-5-2	EN 60 947-5-2
Connection cable	2 m, PVC, 3 x 0.14 mm ²	2 m, PVC, 3 x 0.14 mm ²
Housing material	VA No. 1.4305	VA No. 1.4305
Active surface	PA	PA
Lid	PA	PA





Inductive Sensors

Series 10 - PNP

Housing M 8 x 1

- Housing material: Stainless steel VA
- Sensing distance $S_n = 1.5$ mm
- With flange connector M 8 x 1

Certificate:



Technical data

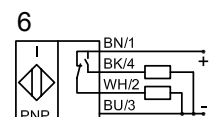
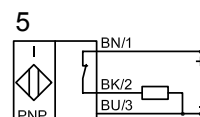
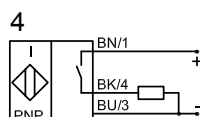
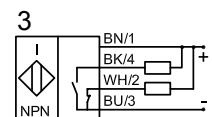
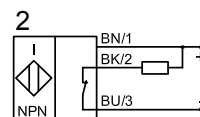
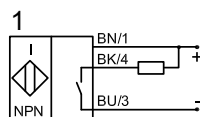
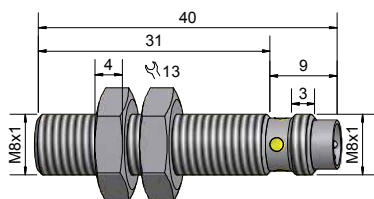
	Flush mountable	Flush mountable
Operating distance S_n	1.5 mm	1.5 mm
Electrical version	3-pin DC	3-pin DC
Output	Normally open (NO)	Normally closed (NC)

Type NPN

Art.-No.

Connection diagram No.

Type PNP	IAS-10-M8-S-PVC/ VAb-Y7-0	IAS-10-M8-Ö-PVC/ VAb-Y7-0
Art.-No.	100 200	100 310
Connection diagram No.	4	5
Operating voltage (U_B)	10...35 V DC	10...35 V DC
Output current max. (I_o)	150 mA	150 mA
Voltage drop max. (U_o)	≤ 3.5 V	≤ 3.5 V
Permitted residual ripple max.	5 %	5 %
No-load current (I_o)	Typ. 10 mA	Typ. 10 mA
Frequency of operating cycles max.	1 kHz	1 kHz
Permitted ambient temperature	-25...+70 °C	-25...+70 °C
LED-display	Yellow	Yellow
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP 67	IP 67
Norm	EN 60 947-5-2	EN 60 947-5-2
Connection	Connector M 8 x 1	Connector M 8 x 1
Housing material	VA No. 1.4305	VA No. 1.4305
Active surface	PVC	PVC
Lid	-	-



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