

Индуктивные датчики IAS-60-A14, IAS-10-A24, IAS-60-A24, IAS-10-40-A

Технические характеристики

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Inductive Sensors Series 60 - AC / DC

Housing M 30 x 1.5

- Housing material: Brass
- Sensing distance $S_n = 10$ mm

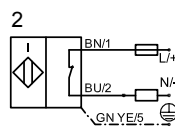
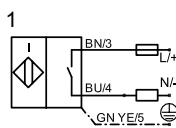
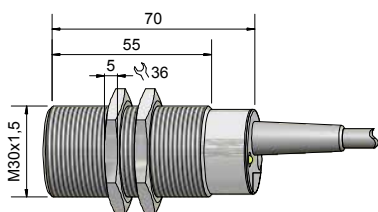
Certificate:



Technical data

Flush mountable

Operating distance S_n	10 mm
Electrical version	3-wire AC / DC
Output	Normally open (NO)
Type	IAS-60-A14-S-M30-PVC/ Ms-Z02-0
Art.-No.	607 300
Connection diagram No.	1
Operating voltage (U_B)	20...250 V AC / DC
Output current max. (I_o)	300 mA
Minimum load	Typ. 9 mA
Voltage drop max. (U_d)	Typ. 6 V
No-load current (I_o)	Typ. 3.5 mA
Frequency of operating cycles max.	25 Hz
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, PVC, 3 x 0.75 mm ²
Housing material	Brass
Active surface	PVC
Lid	PA / PPO





Inductive Sensors **Series 20 - NPN** **Series 10 - PNP**

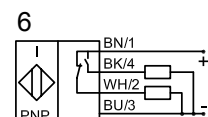
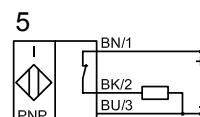
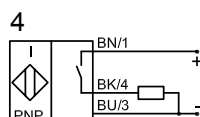
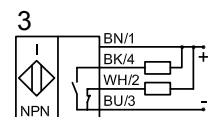
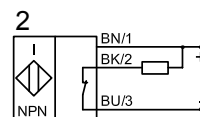
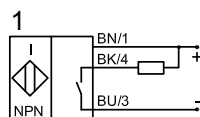
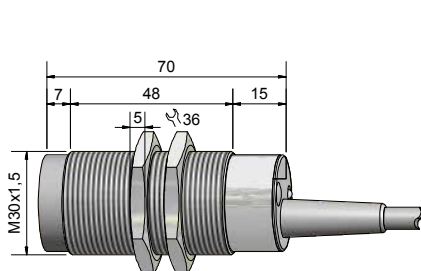
Housing M 30 x 1.5

- Housing material: Brass
- Sensing distance $S_n = 15 \text{ mm}$

Certificate:



Technical data	Non-flush mountable	Non-flush mountable
Operating distance S_n	15 mm	15 mm
Electrical version	3-wire DC	4-wire DC
Output	Normally open (NO)	Antivalent (NO + NC)
Type NPN		
Art.-No.		
Connection diagram No.		
Type PNP	IAS-10-A24-S-M30-PVC/ Ms-Z02-0	IAS-10-A24-A-M30-PVC/Ms- Z02-0
Art.-No.	111 000	110 980
Connection diagram No.	4	6
Operating voltage (U_B)	10...35 V DC	10...35 V DC
Output current max. (I_o)	250 mA	2 x 250 mA
Voltage drop max. (U_o)	$\leq 2.5 \text{ V}$	$\leq 2.5 \text{ V}$
Permitted residual ripple max.	10 %	10 %
No-load current (I_o)	Typ. 15 mA	Typ. 15 mA
Frequency of operating cycles max.	1 kHz	1 kHz
Permitted ambient temperature	-25...+70 °C	-25...+70 °C
LED-display	Yellow	Green / 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 cable	2 m, PVC, 3 x 0.75 mm ²	2 m, PVC, 4 x 0.5 mm ²
Housing material	Brass	Brass
Active surface	PVC	PVC
Lid	PA / PPO	PA / PPO





Inductive Sensors With Analogue Output

Series 10 - IL

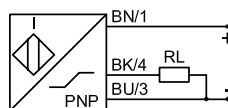
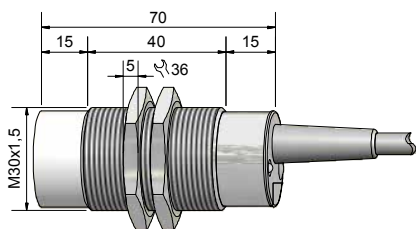
Housing M 30 x 1.5

- Housing material: Brass
- Operating range 0...15 mm adjustable



Certificate:

Technical data	Non-flush mountable
Operating range	0...15 mm
Linear range	5...15 mm
Electrical version	3-wire DC
Output function	Analogue
Type analogue	IAS-10-A24-IL-M30-PTFE/Ms-Z02-1
Art.-No.	113 550
Connection diagram No.	See below
Operating voltage (U_B)	15...30 V DC
Output current max. (I_e)	$\leq 4... > 20$ mA
Permitted residual ripple max.	5 %
No-load current (I_o)	Typ. 40 mA
Output current active surface free	> 20 mA
Output current active surface covered	$\leq 20... < 4$ mA
Load resistor	$R_L = 0...300 \Omega$
Permitted ambient temperature	0...+60 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60 947-5-2
Connection cable	2 m, PVC, 3 x 0.75 mm ²
Housing material	Brass
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO





Inductive Sensors Series 60 - AC / DC

Housing M 30 x 1.5

- Housing material: Brass
- Sensing distance $S_n = 15$ mm

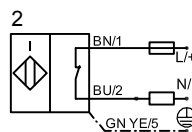
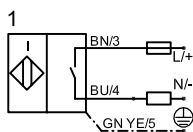
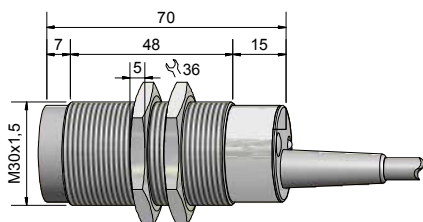
Certificate:



Technical data

Non-flush mountable

Operating distance S_n	15 mm
Electrical version	3-wire AC / DC
Output	Normally open (NO)
Type	IAS-60-A24-S-M30-PVC/ Ms-Z02-0
Art.-No.	610 500
Connection diagram No.	1
Operating voltage (U_B)	20 ... 250 V AC / DC
Output current max. (I_e)	300 mA
Minimum load	Typ. 9 mA
Voltage drop max. (U_d)	Typ. 6 V
No-load current (I_o)	Typ. 3.5 mA
Frequency of operating cycles max.	25 Hz
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, PVC, 3 x 0.75 mm ²
Housing material	Brass
Active surface	PVC
Lid	PA / PPO





Inductive Sensors

Series 10 - PNP

Housing Ø 40 mm

- Housing material: PA / PPO
- Sensing distance $S_n = 20$ mm

Certificate:



Technical data

Flush mountable

Operating distance S_n	20 mm
Electrical version	4-wire DC
Output	Antivalent (NO + NC)

Type NPN

Art.-No.

Connection diagram No.

Type PNP

IAS-10-40-A-PPO--Z02-0

Art.-No.

119 480

Connection diagram No.

6

Operating voltage (U_B) 10...35 V DC

Output current max. (I_o) 2 x 250 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. 250 Hz

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

LED-display Green / yellow

Protective circuit Built in

Degree of protection IEC 60529 IP 67

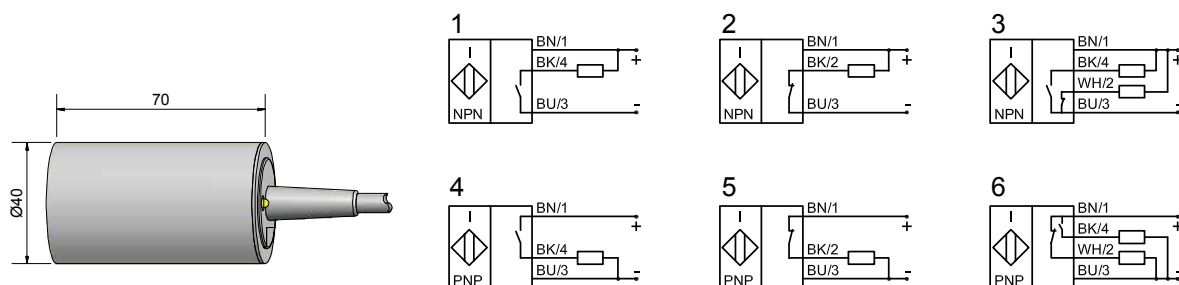
Norm EN 60 947-5-2

Connection cable 2 m, PVC, 4 x 0.5 mm²

Housing material PA / PPO

Active surface PA / PPO

Lid PA / PPO





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