



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

Housing M 30 x 1.5

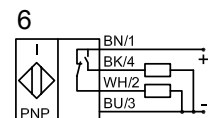
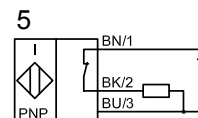
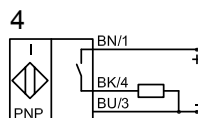
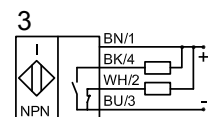
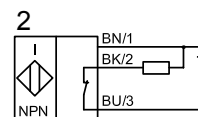
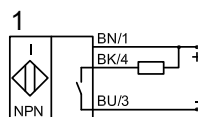
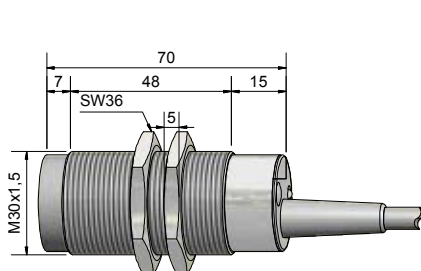
- Housing material: Brass
- Sensing distance  $S_n = 15$  mm

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)
<b>Type NPN</b>	<b>IAS-20-A24-S</b>	<b>IAS-20-A24-A</b>
<b>Art.-No.</b>	<b>211 000</b>	<b>210 980</b>
Connection diagram No.	1	3
<b>Type PNP</b>	<b>IAS-10-A24-S</b>	<b>IAS-10-A24-A</b>
<b>Art.-No.</b>	<b>111 000</b>	<b>110 980</b>
Connection diagram No.	4	6
Operating voltage ( $U_B$ )	10...35 V DC	10...35 V DC
Output current max. ( $I_e$ )	250 mA	2 x 250 mA
Voltage drop max. ( $U_d$ )	$\leq 2.5$ V	$\leq 2.5$ 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 <sup>2</sup>	2 m, PVC, 4 x 0.5 mm <sup>2</sup>
Housing material	Brass	Brass
Active surface	PVC	PVC
Lid	PA / PPO	PA / PPO

All specifications are subject to change without notice. (11/2011)



Made in Germany