



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

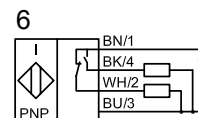
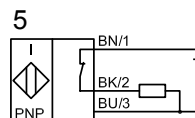
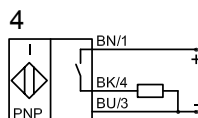
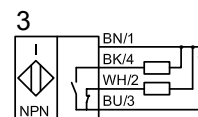
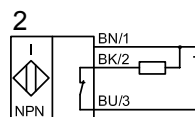
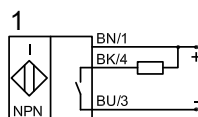
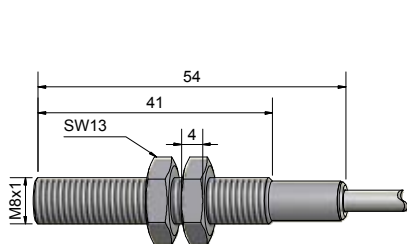
Housing M 8 x 1

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

Certificate:



Technical data	Flush mountable	Flush mountable
Operating distance $S_n$	1 mm	1 mm
Electrical version	3-wire DC	3-wire DC
Output	Normally (NO)	Normally closed (NC)
<b>Type NPN</b>		
<b>Art.-No.</b>		
Connection diagram No.		
<b>Type PNP</b>	<b>IAS-10-A11-S</b>	<b>IAS-10-A11-Ö</b>
<b>Art.-No.</b>	<b>100 500</b>	<b>101 010</b>
Connection diagram No.		
Operating voltage ( $U_B$ )	10...35 V DC	10...35 V DC
Output current max. ( $I_o$ )	150 mA	150 mA
Voltage drop max. ( $U_d$ )	$\leq 3.5$ V	$\leq 3.5$ 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 cable	2 m, PUR, 3 x 0.14 mm <sup>2</sup>	2 m, PUR, 3 x 0.14 mm <sup>2</sup>
Housing material	VA No. 1.4305	VA No. 1.4305
Active surface	PVC	PVC
Lid	PC (FDA 21 CFR 177.1580)	PC (FDA 21 CFR 177.1580)



Made in Germany

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