



## Inductive Sensors Series 20 - NPN

Housing M 8 x 1

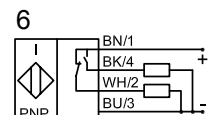
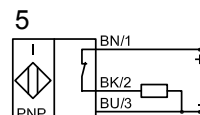
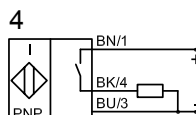
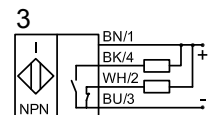
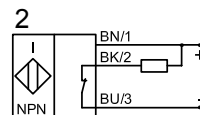
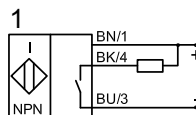
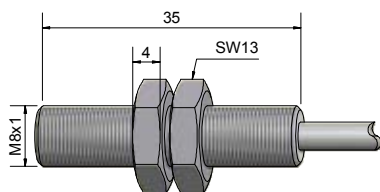
- Housing material: Stainless steel VA
- Sensing distance  $S_n = 2$  mm

Certificate:



<b>Technical data</b>	Flush mountable
Operating distance $S_n$	2 mm
Electrical version	3-wire DC
Output	Normally open (NO)
<b>Type NPN</b>	<b>IAS-20-A11-S</b>
<b>Art.-No.</b>	<b>IA 0146</b>
Connection diagram No.	1
<b>Type PNP</b>	
<b>Art.-No.</b>	
Connection diagram No.	
Operating voltage ( $U_B$ )	10...30 V DC
Output current max. ( $I_o$ )	$\leq 200$ mA
Voltage drop max. ( $U_d$ )	$\leq 2$ V
Permitted residual ripple max.	20 %
No-load current ( $I_o$ )	$\leq 10$ 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 mm <sup>2</sup>
Housing material	VA No. 1.4305
Active surface	PA
Lid	PA

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



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