



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

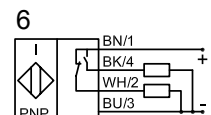
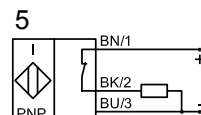
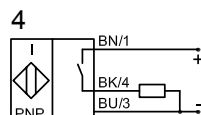
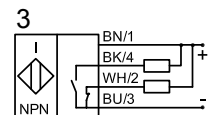
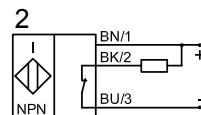
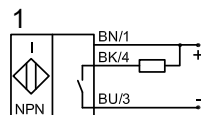
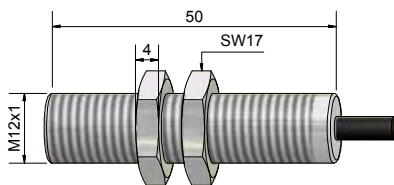
- Housing M 12 x 1
- Housing material: Brass
  - Sensing distance  $S_n = 2$  mm

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-A12-S</b>
<b>Art.-No.</b>	<b>IA 0246</b>
Connection diagram No.	1
<b>Type PNP</b>	<b>IAS-10-A12-S</b>
<b>Art.-No.</b>	<b>IA 0247</b>
Connection diagram No.	4
Operating voltage ( $U_B$ )	10...30 V DC
Output current max. ( $I_o$ )	200 mA
Voltage drop max. ( $U_d$ )	$\leq 3$ V
Permitted residual ripple max.	-
No-load current ( $I_o$ )	Typ. 17 mA
Frequency of operating cycles max.	1,5 kHz
Permitted ambient temperature	-25...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection cable	3 m, PUR, 3 x 0,14 mm <sup>2</sup>
Housing material	Brass
Active surface	PBT
Lid	BPT

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



Made in Indonesia