



Inductive Sensors

Series 20 - NPN

Series 10 - PNP

Housing M 12 x 1

- Housing material: Brass
- Sensing distance $S_n = 2$ mm

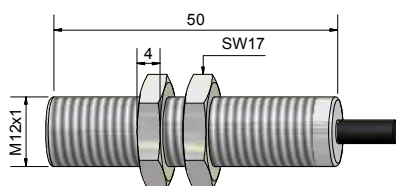
Certificate:



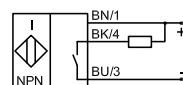
Technical data

Flush mountable

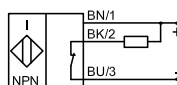
Operating distance S_n	2 mm
Electrical version	3-wire DC
Output	Normally open (NO)
Type NPN	IAS-20-A12-S
Art.-No.	IA 0246
Connection diagram No.	1
Type PNP	IAS-10-A12-S
Art.-No.	IA 0247
Connection diagram No.	4
Operating voltage (U_B)	10...30 V DC
Output current max. (I_e)	200 mA
Voltage drop max. (U_d)	≤ 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 ²
Housing material	Brass
Active surface	PBT
Lid	PBT



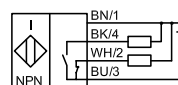
1



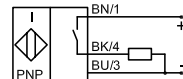
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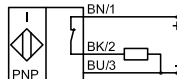
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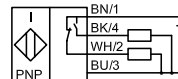
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Made in Indonesia