



Ring sensors are used for feed control with screws, nails etc.

The output is static, i. e., it remains active as long as a metal part is located in the sensing range.

Housing size	
Inside diameter d_w	
Minimum object size steel taper (St 37)	



PNP	NO	①
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Supply voltage U_B	
Voltage drop U_d at I_e	
Rated insulation voltage U_i	
Rated operational current I_e	
No-load supply current I_0 max.	
Output resistance R_a	
Polarity reversal protected	
Short circuit protected	
Ambient temperature range T_a	
Utilization category	
Function indicator	
Degree of protection per IEC 60529	
Housing material	
Material of sensing face	
Connection	
Recommended connector	
Pulse extension	

① Wiring diagrams see page **1.0.6**



Ring Sensors

Inductive Sensors

DC 3-wire
Block style housings
d_w Ø 10, Ø 25, Ø 45 mm

80×45×20 mm	80×45×20 mm	115×80×30 mm
Ø 10 mm Ø 2 mm	Ø 25 mm Ø 4 mm	Ø 45 mm Ø 9 mm
BES IKV-010.23-G-Z-S4	BES IKV-025.23-G-Z-S4	BES IKV-045.23-G-Z-S4
10...30 V DC	10...30 V DC	10...30 V DC
≤ 2 V	≤ 2 V	≤ 2 V
75 V DC	75 V DC	75 V DC
200 mA	200 mA	200 mA
≤ 10 mA	≤ 10 mA	≤ 10 mA
Open collector	Open collector	Open collector
yes	yes	yes
yes	yes	yes
-25...+70 °C	-25...+70 °C	-25...+70 °C
DC 13	DC 13	DC 13
yes	yes	yes
IP 65	IP 65	IP 65
Plastic	Plastic	Plastic
Plastic	Plastic	Plastic
Connector	Connector	Connector
BKS- 19/BKS- 20	BKS- 19/BKS- 20	BKS- 19/BKS- 20
2.5...250 ms adjustable	2.5...250 ms adjustable	2.5...250 ms adjustable

1.5

- Factor 1
- Weld immune
- Magnetic field immune
- Diagnostic
- Steelface
- Pressure rated
- Pressure rated Ex
- Namur Ex
- Temperature rated
- PROXINOX®
- Ring Sensors**
- Extended switching distance



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Connectors ...
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