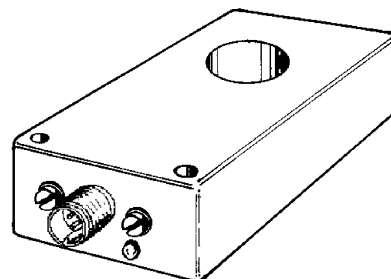


Ring-type sensors are operate as supply controls for screws, nails etc.

The output is operating statically, i. e. it remains active as long as there is a metal part in the response area.

The design described are equipped with an electronic pulse prolongation. Thus they can be adapted to any signal processing.



Technical Data

Type	Ø10 mm	IKV 010.23 GZ S4
Art.-No.		2034P
Type	Ø15 mm	IKV 015.23 GZ S4
Art.-No.		2034Q
Type	Ø25 mm	IKV 025.23 GZ S4
Art.-No.		2034RG
Target diameter (Steel ball St37)	IKV 010	2 mm
	IKV 015	3 mm
	IKV 025	4 mm
Output	PNP normally open	
Sensitivity adjustable	yes	
Supply voltage (UB)	10 - 30 V DC	
Ripple voltage	< 15 %	
Load current max.	0 - 200 mA	
Short-time load current	2 A / 10 ms	
	0,8 A / 100 ms	
Short circuit protection	yes	
No load current (I ₀)	< 8 mA	
Voltage drop (U _d)	2 V	
Pulse duration adjustable	2,5 - 250 ms	
Ambient temperature	-25 ... +70 °C	
Protection class	IP 67*	
MTTF (years)	1279	
Connection	plug S4 (M12x1)	
Output indication	LED	
Housing material	Plastic	
Min distance for assembly in series because of mutual influence. (alternatively: design of staggered frequency (F) available)	90 mm centre dimension	
Accessories (not included in the scope of supply)	Art.-No.	
2m connection cable	9841D	

*The protection class is complied with when the protection screw for the adjusting device is screwed in.

Diagram of Connections

