Inductive proximity switch
IKZ 475.33 G S4 F

- Brass nickel-plated housing PG 36
- Rated operating distance (S_n) 25 mm
- PNP normally open
- Plug S4 (M12x1 A)
- Frequency offset for row installation



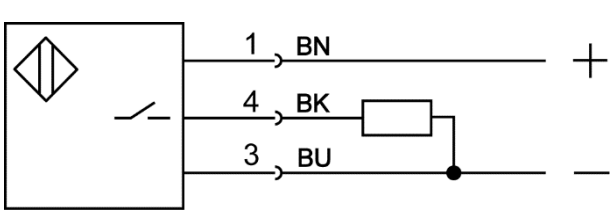
Product Characteristics

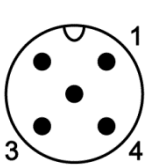
Type	**IKZ 475.33 G S4 F**
Connection	**Art.-No.**
Plug S4 (M12x1 A)	2409F
Application	Non-contact detection of metallic objects

Technical Data

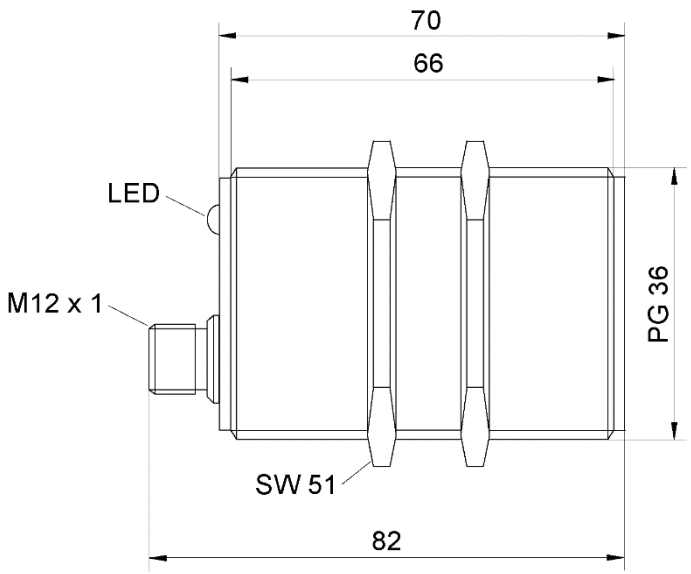
Rated operating distance (S_n)	25 mm
Target steel St37, 1 mm thick	75 x 75 mm
Operating distance adjustable	no
Switching hysteresis (H)	1 - 15 %
Location at metal	conditionally flush (free zone 5 mm)
Oscillator frequency offset	F*
Supply voltage (U_B)	10 - 55 V DC
Ripple voltage	max. 15 %
Output	PNP normally open
Continuous current	0 - 400 mA
Short-circuit protection	yes, pulsing
No-load current (I_0)	< 10 mA
Voltage drop (U_d)	< 2 V
Operating frequency (f)	100 Hz
Ambient temperature	-25 ... +65 °C
Protection class	IP 67
Housing material	brass, nickel plated
Functional display	LED

Connection





Dimension (mm)



Accessories (in scope of supply)

	Type	Art.-No.
Brass nickel-plated nut PG 36 (2 pieces)	HL 4	9849A

Accessories (**not** in scope of supply)

	Type	Art.-No.
Female plug S4 (M12 x 1 A), straight, can be assembled, 4 wire	ST040G	9842D
Female plug S4 (M12 x 1 A), angular, can be assembled, 4 wire	ST040	9841A
Connection cable 2 m, 3 wire, with straight female plug S4 (M12 x 1 A)	ST043/3-2	9850I
Connection cable 5 m, 3 wire, with straight female plug S4 (M12 x 1 A)	ST043/3-5	9850X
Connection cable 10 m, 3 wire, with straight female plug S4 (M12 x 1 A)	ST043/3-10	9850Y
Connection cable 2 m, 3 wire, with angular female plug S4 (M12 x 1 A)	ST041/3-2	9851F
Connection cable 5 m, 3 wire, with angular female plug S4 (M12 x 1 A)	ST041/3-5	9851R

Further information

	Document
Operating manual	BDA_IK_D_E

*The oscillator frequency offset ensures safe operation without mutual interference with sensors of the same design and different oscillator frequency when installed without a minimum distance.