

- Plastic housing 80 x 80 x 40 mm
- Measuring range 0 - 60 mm, scalable
- Output 0/4 - 20 mA, invertible
- Alarm signal 3/21 mA
- Parameterization via RS485 interface and software



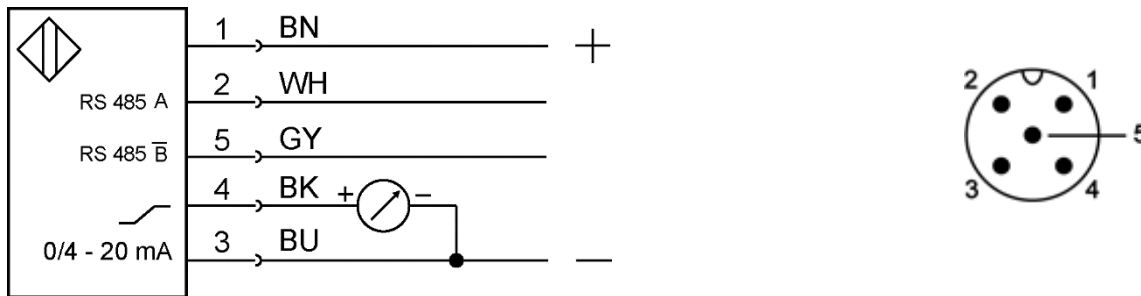
Product Characteristics

Type	MXK 060.194 S4
Connection	Art.-No.
Plug S4 (M12x1 A)	2606B
Application	Non-contact distance measurement of metallic objects

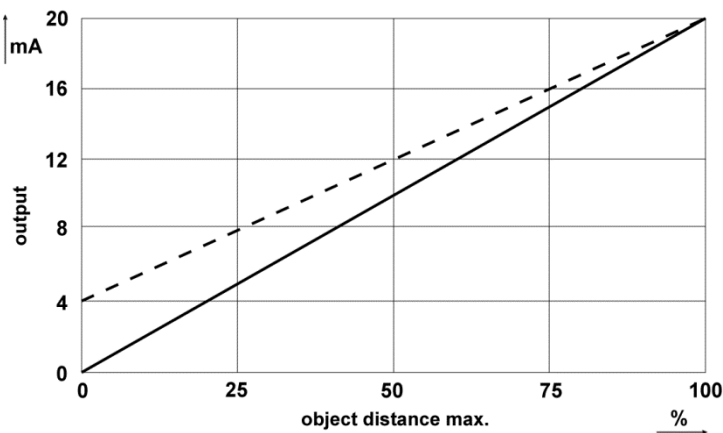
Technical Data

Measuring range max.	0 - 60 mm
Target steel St37, 1 mm thick	180 x 180 mm
Measuring range adjustable	yes, parameterizable, scalable, invertible
Location at metal	non flush
Supply voltage	24 V DC $\pm$ 20 %
Current consumption	$\leq$ 12 mA
Ripple voltage	max. 15 %
Output	0/4 - 20 mA
Alarm signal (3/21 mA)	over/under temperature, measuring object outside the measuring range
Load impedance	$\leq$ 560 R
Ripple content	$\leq$ 1%
Output short circuit protected	yes
Reverse polarity protection	no
Digital communication	RS-485 MODBUS RTU
Readiness time	300 ms
Response delay	ca. 7 ms
Repeatability	300 μ m
Error of linearity of the final value	$\leq$ 4 %
Error of linearity 10 ... 50 mm	$\leq$ 2 %
Error of temperature of the final value	$\leq$ 4 %
Error of temperature at +10 ... +40 °C	$\leq$ 1 %
Ambient temperature	-25 up to +70 °C
Protection class	IP 67
Housing material	plastic
Function display	LED

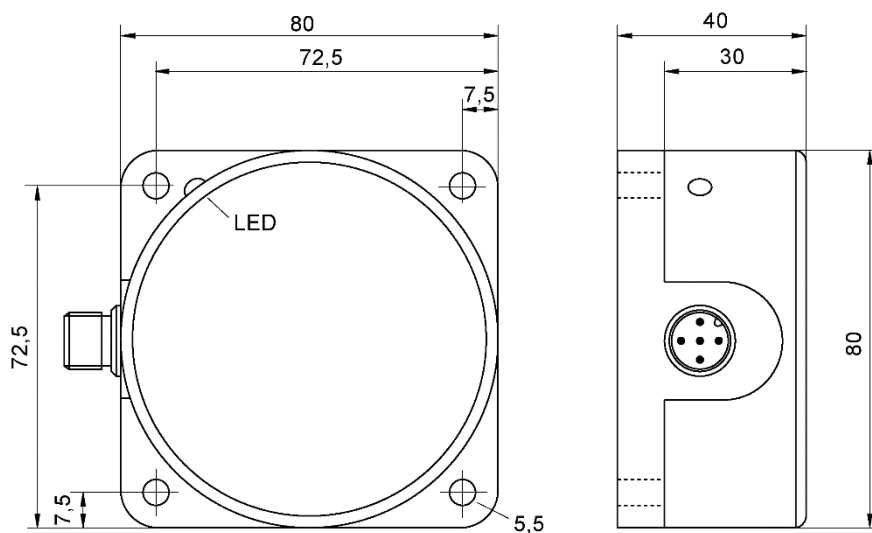
Connection



Output characteristic



Dimension (mm)



Accessories (in scope of supply)

	Type	Art.-No.
-	-	-

Accessories (not in scope of supply)

	Type	Art.-No.
Connection cable for analog output only.		
Female plug S4 (M12 x 1 A), straight, can be assembled, 4 wire	ST040G	9842D
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 for analog output and RS 485.		
Female plug S4 (M12 x 1 A), angular, can be assembled, 5 wire	ST048	9841B
Connection cable 2 m, 5 wire, with straight female plug S4 (M12 x 1 A)	ST043/5-2	9850C
Connection cable 5 m, 5 wire, with straight female plug S4 (M12 x 1 A)	ST043/5-5	9850D
Interface converter for parameterization		
Interface converter RS485, female plug S4 (M12 x 1 A) 5-wire to USB (Internal 24 V power supply for sensor)	SIC 485U	9861B
Interface converter RS485, plug Sub D 9-pole to USB (External power supply necessary)	SIC 485UD	9861E
Software on USB stick for parameterize and acquiring of measured values	PRO Soft P1	9861D

Further information

	Document
Manual	BDA_MX_D_E