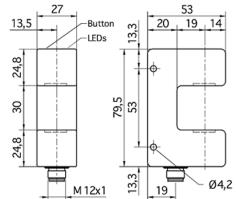
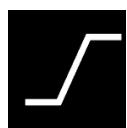


bks-3/CIU

scale drawing



detection zone



1 x analogue 4-20 mA + 0-10 V

working range

8 mm (± 4 mm)

design

fork-like

operating mode

path edge detection

ultrasonic -specific

means of measurement pulse operation with amplitude evaluation

transducer frequency 200 kHz

blind zone 7 mm in front of transmitter and receiver

resolution/sampling rate 0.025 mm

reproducibility $\pm 0.15\%$

accuracy ± 0.1 mm bei konstanten Umgebungsbedingungen

electrical data

operating voltage U_B 20 - 30 V d.c., reverse polarity protection

voltage ripple $\pm 10\%$

Leerlaufstromaufnahme ≤ 50 mA

type of connection 5-pin M12 initiator plug

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outputs

output 1	analogue output current: 4-20 mA / voltage: 0-10 V, short-circuit-proof switchable rising/falling
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response time	2 ms
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delay prior to availability	< 300 ms
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inputs

description	deactivated: $U_E > 9$ V DC; activated: $< U_E < 4$ V DC or control input open
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input 1	com input enable input
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housing

fork width	30 mm
fork depth	33 mm
material	aluminium anodized
ultrasonic transducer	polyurethane foam, epoxy resin with glass contents
class of protection to EN 60529	IP 65

operating temperature	+5°C to +60°C
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storage temperature	-40°C to +85°C
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weight	190 g
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further versions	larger fork width/depth
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technical features/characteristics

controls	1 push-button
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scope for settings	Teach-in via push-button LCA-2 with LinkControl
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Synchronisation	no
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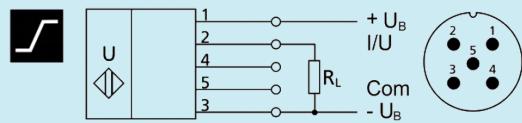
multiplex	no
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indicators	1 x LED green: center position, 2 x LED yellow: deviation from center position
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bks-3/CIU

[documentation \(download\)](#)

pin assignment



order no.

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