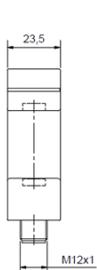
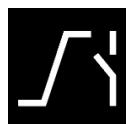
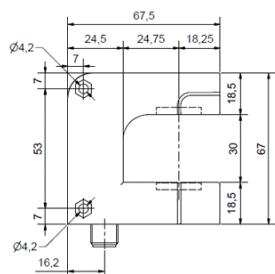


bks+3/FIU

scale drawing



detection zone



1 x Push-Pull + 1 x analogue 4-20 mA / 0-10 V

working range	$\geq 12 \text{ mm} (\pm 6 \text{ mm})$
design	fork-like
operating mode	path edge detection
particularities	IO-Link

ultrasonic -specific

means of measurement	pulse operation with amplitude evaluation
transducer frequency	170 kHz
blind zone	5 mm in front of transmitter and receiver
resolution/sampling rate	0,01 mm
reproducibility	$\pm 0,1 \text{ mm}$ bei konstanten Umgebungsbedingungen

electrical data

operating voltage U_B	20 - 30 V d.c., reverse polarity protection
voltage ripple	$\pm 10 \%$
Leerlaufstromaufnahme	$\leq 60 \text{ mA}$
type of connection	5-pin M12 initiator plug

bks+3/FIU

outputs

output 1	analogue output current: 4-20 mA / voltage: 0-10 V, short-circuit-proof switchable rising/falling
output 2	Schaltausgang Push-Pull, $U_B=3$ V, $-U_B=3$ V, $I_{max}=100$ mA
response time	5,1 ms
delay prior to availability	< 300 ms

inputs

input 1	com input synchronisation input teach-in input
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housing

fork width	30 mm
fork depth	43 mm
material	zinc die-casting, plastic parts, PBT
ultrasonic transducer	polyurethane foam, epoxy resin with glass contents
class of protection to EN 60529	IP 65
operating temperature	+5°C to +60°C
storage temperature	-40°C to +85°C
weight	190 g
further versions	larger fork width/depth

technical features/characteristics

controls	1 push-button
scope for settings	Teach-in via push-button LCA-2 with LinkControl IO-Link
particularities	IO-Link

documentation (download)

order no.	bks+3/FIU
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