

Mycket flexibel kabel
Metallkontakt
Integrerad förstärkare
Kortslutningsskydd
Utgångsfördröjning
LED / ring-LED

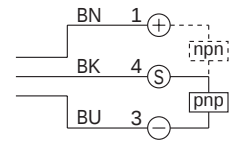
Cable, highly flexible
Metal plug
Integrated amplifier
Short-circuit protection
Starting pulse suppression
LED / ring- LED

Förkortningar

S_n = Avkänningsavstånd
 b = Skärmad utförande
 nb = Oskärmad utförande
 VA = Rostfritt stål
 Ms = Föniklad mässing
 Ks = Plast

Avkänningsavstånd S_n (ref. ST37)
Operating distance S_n (ref. ST37)

Anslutning Connection diagram



BN = Brun / brown
BK = Svart / black
BU = Blå / blue

Abbreviations

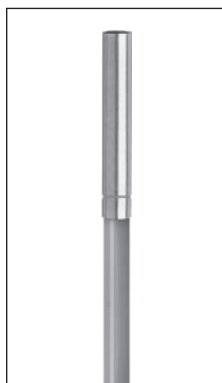
S_n = Nominal operating distance
 b = flush-fitted in metal
 nb = non flush-fitted in metal
 VA = stainless steel
 Ms = brass nickel-plated
 Ks = Plastic

The type designations of the high performance program are printed in blue.

Tekniska Data	Technical data
för + 20 °C, 24 V DC	at + 20 °C, 24 V DC
Avkänningsavstånd	Operating distance
Matningsspänning	Service voltage
Belastningsström	Maximum rating
Egen förbrukning	Internal power consumption
Spänningsfall	Voltage drop
Omkopplingsfrekvens	Operating frequency
Hysters	Switching hysteresis
Temperaturområde	Ambient temperature
Isolationsspänning	Insulation voltage endurance
Skyddsklass	Protection class
Kapplingsmaterial	Housing material
Kabel	Cable
Bestelltable	Purchase order table
DC pnp Öppen	DC pnp NO
DC pnp Stängd	DC pnp NC
DC npn Öppen	DC npn NO
DC npn Stängd	DC npn NC
Tillbehör	Accessory
Anslutningskabel (se separat datanblad)	Connection cables (separate data-sheet)

Druckfeste induktive Näherungsschalter Pressure resistant inductive proximity switches

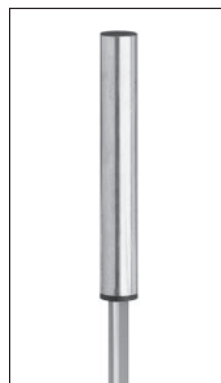
b 0,6 mm



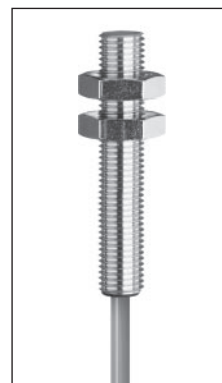
b 0,6 mm



b 2,5 mm



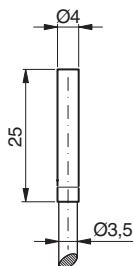
b 2,5 mm



Druckfeste Ausführung bis 20 bar
Hochdruckfeste Ausführung bis 500 bar
Edelstahl-Gehäuse
Aktive Fläche Saphir, ZrO₂- oder Al₂O₃-Keramik

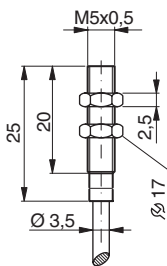
Pressure resistant version up to 20 bar
High-pressure resistant version up to 500 bar
Stainless steel housing
Sensing surface sapphire, ZrO₂- or Al₂O₃-ceramic

Ø 4 mm
20 bar, IP 68
Einbauhinweise 
Installation notes



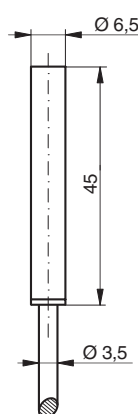
CE mm

M5 x 0,5
20 bar, IP 68
Einbauhinweise 
Installation notes



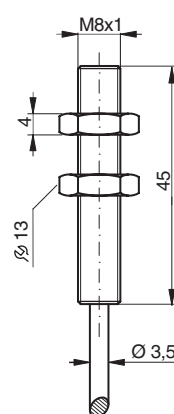
CE mm

Ø 6,5 mm
20 bar, IP 68
Einbauhinweise 
Installation notes



CE mm

M8 x 1
20 bar, IP 68
Einbauhinweise 
Installation notes



CE mm

0,6 mm	0,6 mm	2,5 mm	2,5 mm
4 x 4 x 1 mm	5 x 5 x 1 mm	7,5 x 7,5 x 1 mm	7,5 x 7,5 x 1 mm
10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
200 mA	200 mA	200 mA	200 mA
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 2 V	< 2 V	< 2 V	< 2 V
5 kHz	5 kHz	1 kHz	1 kHz
5 % typ.	5 % typ.	5 % typ.	5 % typ.
-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
500 V	500 V	500 V	500 V
IP 68	IP 68	IP 68	IP 68
VA / Saphir	VA / Saphir	VA / ZrO ₂ -Keramik	VA / ZrO ₂ -Keramik
2 m, PUR	2 m, PUR	2 m, PUR	2 m, PUR

DCC 4,0 V 0,6 PSLK-E	DCC 05 V 0,6 PSLK-E	DCC 6,5 V 2,5 PSLK-E	DCC 08 V 2,5 PSLK-E
-	-	-	-
DCC 4,0 V 0,6 NSLK-E	DCC 05 V 0,6 NSLK-E	DCC 6,5 V 2,5 NSLK-E	DCC 08 V 2,5 NSLK-E
-	-	-	-

Induktive Näherungsschalter mit geschlossener Ganzstahlhülse Inductive proximity switches with all stainless steel housing

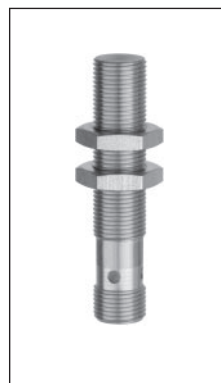
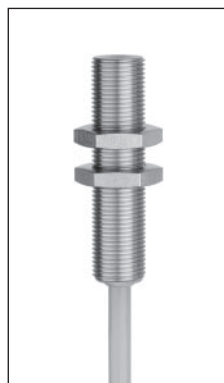


b 6 mm

nb 10 mm

b 6 mm

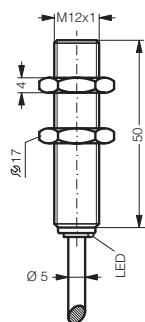
nb 10 mm



3-facher Normschaltabstand
Gleicher Schaltabstand auf Stahl und Aluminium
Gehäuse und aktive Fläche aus Edelstahl
Unempfindlich gegen aggressive Reinigungsmittel, Umwelteinflüsse und heiße Späne
Druckfeste aktive Fläche (20 bar)

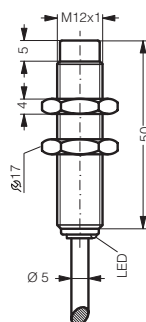
3-times the standard operating distance
Same operating distance to steel and aluminium
Housing and sensing face made of stainless steel
Insensitive to cleaning agents, environmental influences and hot chips
Pressure resistant sensing face (20 bar)

M12 x 1
Einbauhinweise
Installation notes ⑤



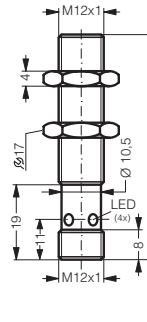
CE mm

M12 x 1
Einbauhinweise
Installation notes ⑤



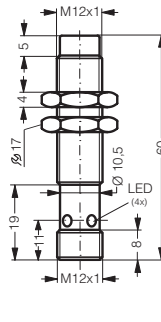
CE mm

M12 x 1
Einbauhinweise
Installation notes ⑤



CE mm

M12 x 1
Einbauhinweise
Installation notes ⑤



CE mm

6 mm

10 mm

6 mm

10 mm

18 x 18 x 1 mm

30 x 30 x 1 mm

18 x 18 x 1 mm

30 x 30 x 1 mm

10...30 V DC

10...30 V DC

10...30 V DC

10...30 V DC

200 mA

200 mA

200 mA

200 mA

< 12 mA

< 12 mA

< 12 mA

< 12 mA

< 2 V

< 2 V

< 2 V

< 2 V

400 Hz

400 Hz

400 Hz

400 Hz

< 15 %, typ. 5 %

< 15 %, typ. 5 %

< 15 %, typ. 5 %

< 15 %, typ. 5 %

-25...+70°C

-25...+70°C

-25...+70°C

-25...+70°C

500 V

500 V

500 V

500 V

IP 68

IP 68

IP 67

IP 67

VA

VA

VA

VA

2 m, PUR

—

2 m, PUR

—

D7C 12 V 06 PSLK

D7C 12 V 10 PSLK

D7C 12 V 06 PSK-IBSL

D7C 12 V 10 PSK-IBSL

D7C 12 V 06 PÖLK

D7C 12 V 10 PÖLK

D7C 12 V 06 PÖK-IBSL

D7C 12 V 10 PÖK-IBSL

D7C 12 V 06 NSLK

D7C 12 V 10 NSLK

D7C 12 V 06 NSK-IBSL

D7C 12 V 10 NSK-IBSL

D7C 12 V 06 NÖLK

D7C 12 V 10 NÖLK

D7C 12 V 06 NÖK-IBSL

D7C 12 V 10 NÖK-IBSL

—

—

VK... (Schließer / NO)

VK... (Schließer / NO)

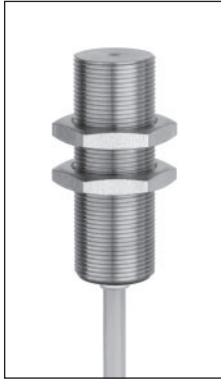
—

—

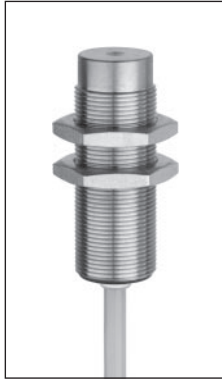
VK.../4 (Öffner / NC)

VK.../4 (Öffner / NC)

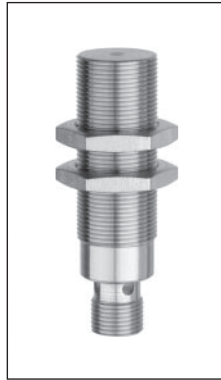
b 10 mm



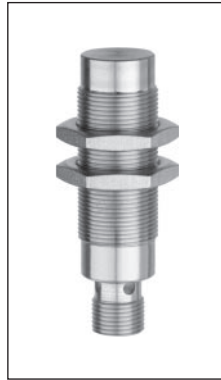
nb 20 mm



b 10 mm



nb 20 mm



b 20 mm



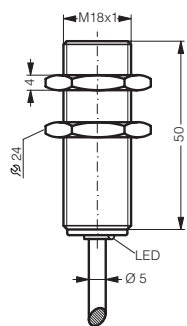
nb 40 mm



M18 x 1

Einbauhinweise
Installation notes

⑤

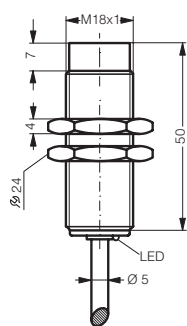


CE mm

M18 x 1

Einbauhinweise
Installation notes

⑤

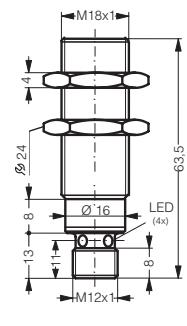


CE mm

M18 x 1

Einbauhinweise
Installation notes

⑤

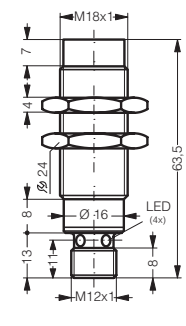


CE mm

M18 x 1

Einbauhinweise
Installation notes

⑤

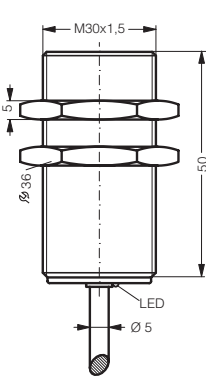


CE mm

M30 x 1,5

Einbauhinweise
Installation notes

⑤

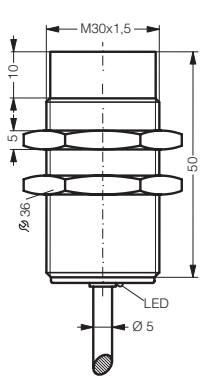


CE mm

M30 x 1,5

Einbauhinweise
Installation notes

⑤



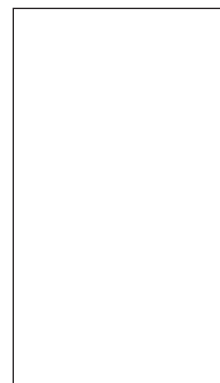
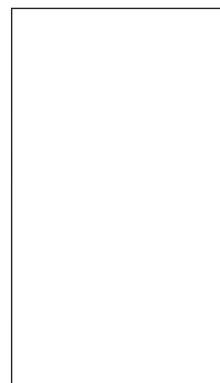
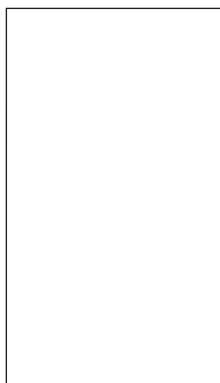
CE mm

10 mm	20 mm	10 mm	20 mm	20 mm	40 mm
30 x 30 x 1 mm	60 x 60 x 1 mm	30 x 30 x 1 mm	60 x 60 x 1 mm	60 x 60 x 1 mm	120 x 120 x 1 mm
10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
200 mA	200 mA	200 mA	200 mA	200 mA	200 mA
< 12 mA	< 12 mA	< 12 mA	< 12 mA	< 12 mA	< 12 mA
< 2 V	< 2 V	< 2 V	< 2 V	< 2 V	< 2 V
200 Hz	200 Hz	200 Hz	200 Hz	100 Hz	100 Hz
< 15 %, typ. 5 %	< 15 %, typ. 5 %	< 15 %, typ. 5 %	< 15 %, typ. 5 %	< 15 %, typ. 5 %	< 15 %, typ. 5 %
-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
500 V	500 V	500 V	500 V	500 V	500 V
IP 68	IP 68	IP 67	IP 67	IP 68	IP 68
VA	VA	VA	VA	VA	VA
2 m, PUR	—	2 m, PUR	—	2 m, PUR	—

D7C 18 V 10 PSLK	D7C 18 V 20 PSLK	D7C 18 V 10 PSK-IBSL	D7C 18 V 20 PSK-IBSL	D7C 30 V 20 PSLK	D7C 30 V 40 PSLK
D7C 18 V 10 PÖLK	D7C 18 V 20 PÖLK	D7C 18 V 10 PÖK-IBSL	D7C 18 V 20 PÖK-IBSL	D7C 30 V 20 PÖLK	D7C 30 V 40 PÖLK
D7C 18 V 10 NSLK	D7C 18 V 20 NSLK	D7C 18 V 10 NSK-IBSL	D7C 18 V 20 NSK-IBSL	D7C 30 V 20 NSLK	D7C 30 V 40 NSLK
D7C 18 V 10 NÖLK	D7C 18 V 20 NÖLK	D7C 18 V 10 NÖK-IBSL	D7C 18 V 20 NÖK-IBSL	D7C 30 V 20 NÖLK	D7C 30 V 40 NÖLK

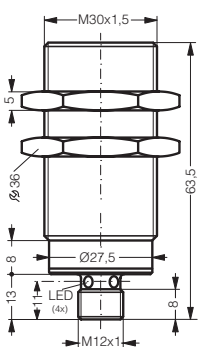
—	—	VK... (Schließer / NO)	VK... (Schließer / NO)	—	—
—	—	VK.../4 (Öffner / NC)	VK.../4 (Öffner / NC)	—	—

Induktive Näherungsschalter mit geschlossener Ganzstahlhülse Inductive proximity switches with all stainless steel housing

b 20 mm
nb 40 mm

M30 x 1,5

Einbauhinweise
Installation notes

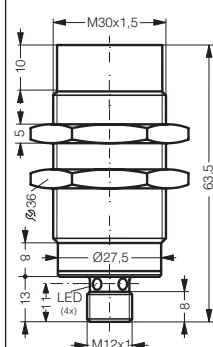
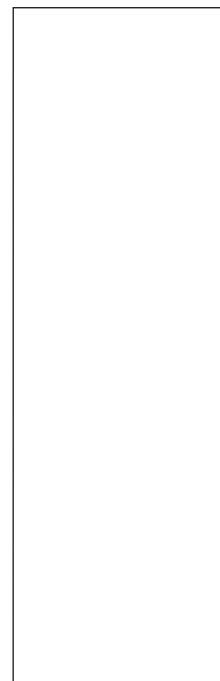
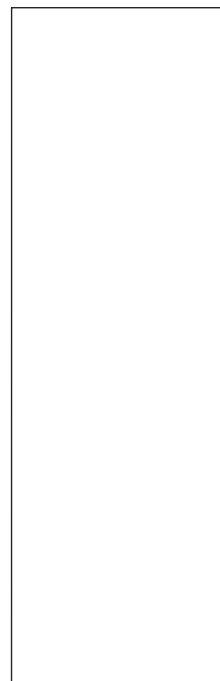
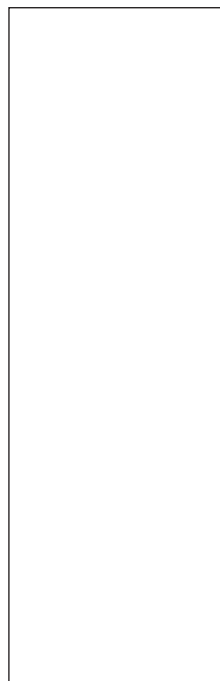
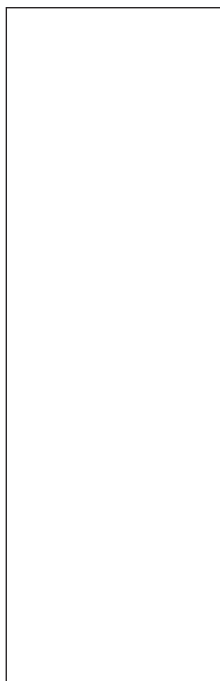
⑤


CE mm

M30 x 1,5

Einbauhinweise
Installation notes

⑤


CE mm


20 mm	40 mm
60 x 60 x 1 mm	120 x 120 x 1 mm
10...30 V DC	10...30 V DC
200 mA	200 mA
< 12 mA	< 12 mA
< 2 V	< 2 V
100 Hz	100 Hz
< 15 %, typ. 5 %	< 15 %, typ. 5 %
-25...+70°C	-25...+70°C
500 V	500 V
IP 67	IP 67
VA	VA
2 m, PUR	—

D7C 30 V 20 PSK-IBSL	D7C 30 V 40 PSK-IBSL
D7C 30 V 20 PÖK-IBSL	D7C 30 V 40 PÖK-IBSL
D7C 30 V 20 NSK-IBSL	D7C 30 V 40 NSK-IBSL
D7C 30 V 20 NÖK-IBSL	D7C 30 V 40 NÖK-IBSL

VK... (Schließer / NO)	VK... (Schließer / NO)
VK.../4 (Öffner / NC)	VK.../4 (Öffner / NC)