

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

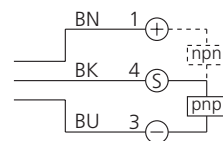
Cable, highly flexible
Metal plug
Integrated amplifier
Short-circuit protection
Starting pulse suppression
LED / ring- LED

Förkortningar

S_n = Förkortningar
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

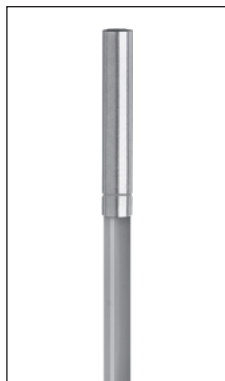
The type designations of the high performance program are printed in blue.

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	
Kapslingsmaterial		Housing material	
Kabel		Cable	
Bestelltabelle		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



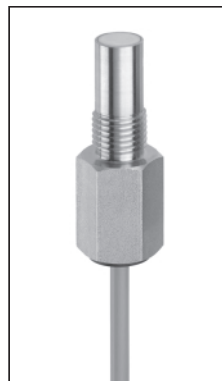
b 2,5 mm



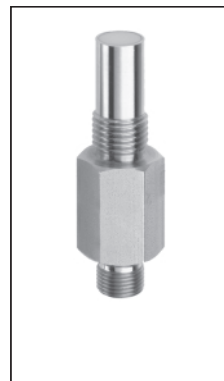
nb 2,5 mm



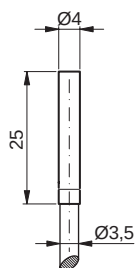
b 3 mm



b 3 mm

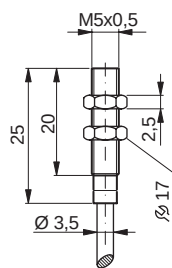


Ø 4 mm
20 bar, IP 68
Hinweise / notes
3a, 6a



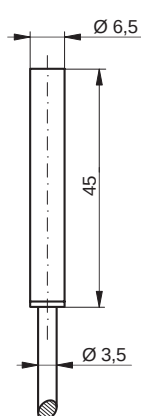
CE mm

M5 x 0,5
20 bar, IP 68
Hinweise / notes
1a, 3a, 6a



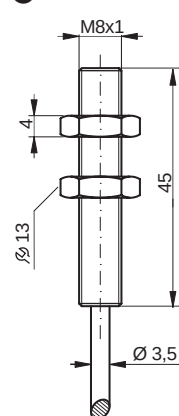
CE mm

Ø 6,5 mm
20 bar, IP 68
Hinweise / notes
3a, 4, 5, 6c



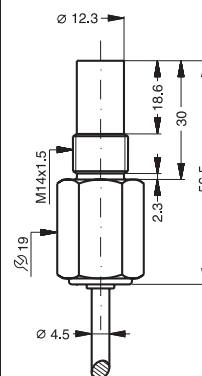
CE mm

M8 x 1
20 bar, IP 68
Hinweise / notes
1b, 3a, 4, 5, 6c



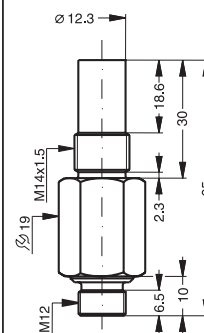
CE mm

M14 x 1,5
500 bar, IP 68



CE mm

M14 x 1,5
500 bar, IP 68



CE mm

0,6 mm	0,6 mm	2,5 mm	2,5 mm	3 mm	3 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
< 10 mA	< 10 mA	< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 2 V	< 2 V	< 2 V	< 2 V	< 2 V	< 2 V
5 kHz	5 kHz	1 kHz	1 kHz	500 Hz	500 Hz
5 % typ.	5 % typ.	5 % typ.	5 % typ.	10 % typ.	10 % typ.
-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	1 kV	1 kV
IP 68	IP 68	IP 68	IP 68	IP 68	IP 68
VA / Keramik	VA / Keramik	VA / Keramik	VA / Keramik	VA	VA
2 m, PUR	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 14 V 03 PSK 500	DCC 14 V 03 PSK 500-IBS
—	—	—	—	—	—
—	—	—	—	DCC 14 V 03 NSK 500	DCC 14 V 03 NSK 500-IBS
—	—	—	—	—	—
—	—	—	—	—	VK...

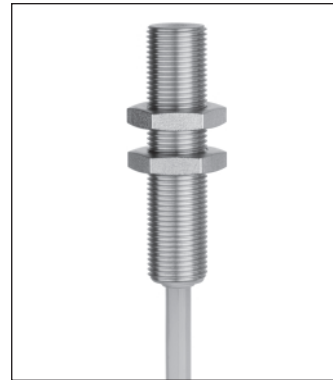
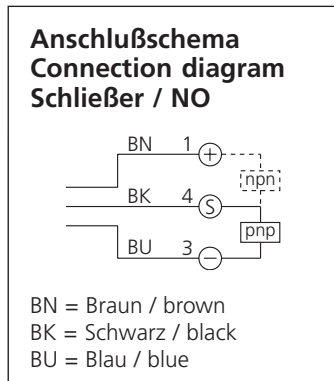
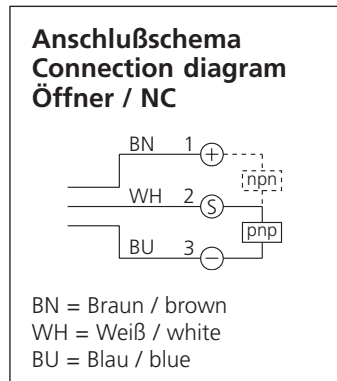
Induktive Näherungsschalter

Inductive proximity switches

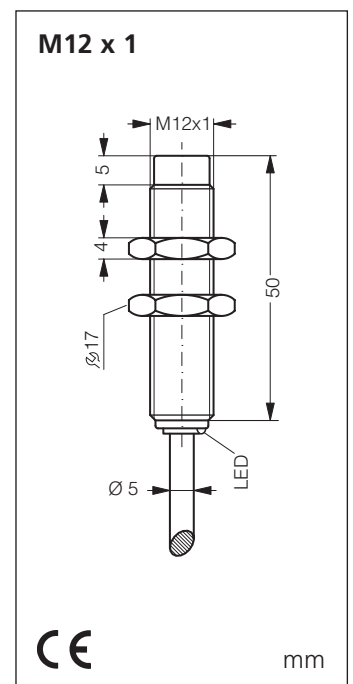
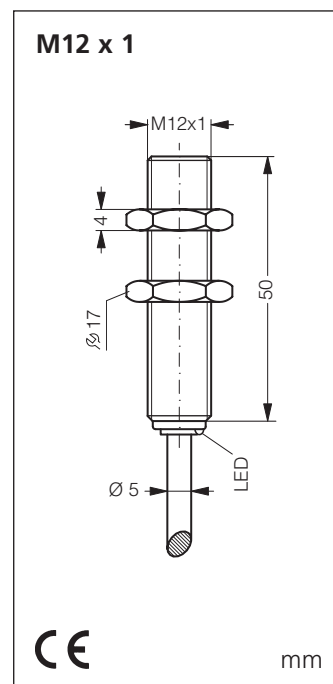
Schaltabstand S_n / Operating distance S_n (Bezug / ref. St37)

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
- 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



Technische Daten		Technical data		Einbauhinweise beachten! / Observe installation notes!	
bei + 20 °C, 24 V DC		at + 20 °C, 24 V DC			
Schaltabstand		Operating distance		6 mm	10 mm
Betriebsspannung		Service voltage		10...30 V DC	10...30 V DC
Strombelastbarkeit		Maximum rating		200 mA	200 mA
Eigenstromaufnahme		Internal power consumption		< 12 mA	< 12 mA
Spannungsabfall		Voltage drop		< 2 V	< 2 V
Schaltfrequenz		Operating frequency		400 Hz	400 Hz
Schalthysterese		Switching hysteresis		< 15 %, typ. 5 %	< 15 %, typ. 5 %
Wiederholgenauigkeit		Repeat accuracy (IEC 60947-5-2)		≤ 5 % s_n	≤ 5 % s_n
Umgebungstemperatur		Ambient temperature		-25...+70°C	-25...+70°C
Isolationsspannungsfestigkeit		Insulation voltage endurance		500 V	500 V
Schutzart		Protection class		IP 68	IP 68
Druckfestigkeit		Pressure resistance		20 bar	20 bar
Gehäusematerial		Housing material		VA	VA
Kabel		Cable		2 m, PUR	—
Bestelltabelle		Purchase order table			
DC npn	Schließer	DC npn	NO	D7C 12 V 06 PSLK	D7C 12 V 10 PSLK
DC npn	Öffner	DC npn	NC	D7C 12 V 06 PÖLK	D7C 12 V 10 PÖLK
DC npn	Schließer	DC npn	NO	D7C 12 V 06 NSLK	D7C 12 V 10 NSLK
DC npn	Öffner	DC npn	NC	D7C 12 V 06 NÖLK	D7C 12 V 10 NÖLK
Zubehör		Accessory			
Anschlußkabel (sep. Datenblatt)		Connection cables (sep. data-sheet)		—	—
Anschlußkabel (sep. Datenblatt)		Connection cables (sep. data-sheet)		—	—

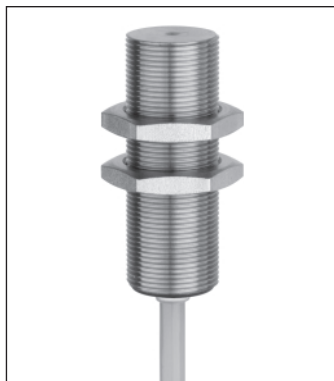
b 6 mm



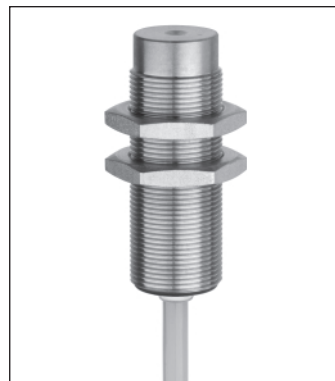
nb 10 mm



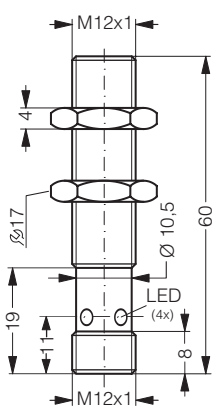
b 10 mm



nb 20 mm

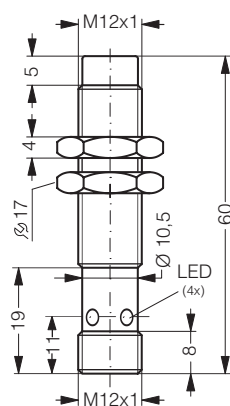


M12 x 1



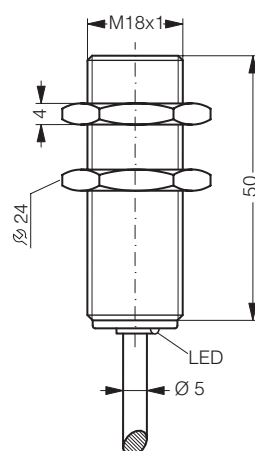
mm

M12 x 1



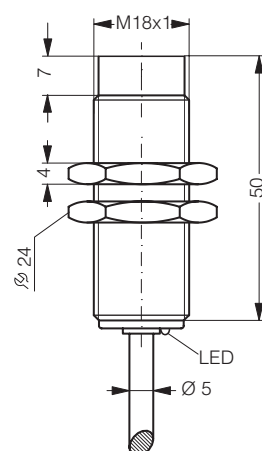
mm

M18 x 1



mm

M18 x 1



mm

6 mm

10...30 V DC

200 mA

< 12 mA

< 2 V

400 Hz

< 15 %, typ. 5 %

≤ 5 % s_n

-25...+70°C

500 V

IP 67

20 bar

VA

2 m, PUR

10 mm

10...30 V DC

200 mA

< 12 mA

< 2 V

400 Hz

< 15 %, typ. 5 %

≤ 5 % s_n

-25...+70°C

500 V

IP 67

20 bar

VA

–

10 mm

10...30 V DC

200 mA

< 12 mA

< 2 V

200 Hz

< 15 %, typ. 5 %

≤ 5 % s_n

-25...+70°C

500 V

IP 68

20 bar

VA

2 m, PUR

20 mm

10...30 V DC

200 mA

< 12 mA

< 2 V

200 Hz

< 15 %, typ. 5 %

≤ 5 % s_n

-25...+70°C

500 V

IP 68

20 bar

VA

–

D7C 12 V 06 PSK-IBSL

D7C 12 V 06 PÖK-IBSL

D7C 12 V 06 NSK-IBSL

D7C 12 V 06 NÖK-IBSL

D7C 12 V 10 PSK-IBSL

D7C 12 V 10 PÖK-IBSL

D7C 12 V 10 NSK-IBSL

D7C 12 V 10 NÖK-IBSL

D7C 18 V 10 PSLK

D7C 18 V 10 PÖLK

D7C 18 V 10 NSLK

D7C 18 V 10 NÖLK

D7C 18 V 20 PSLK

D7C 18 V 20 PÖLK

D7C 18 V 20 NSLK

D7C 18 V 20 NÖLK

VK... (Schließer / NO)

VK.../4 (Öffner / NC)

VK... (Schließer / NO)

VK.../4 (Öffner / NC)

–

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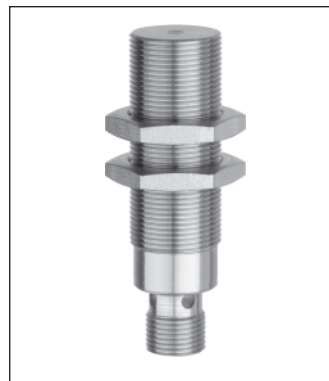
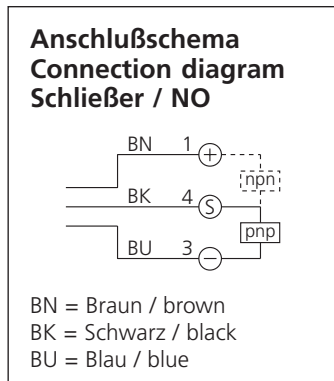
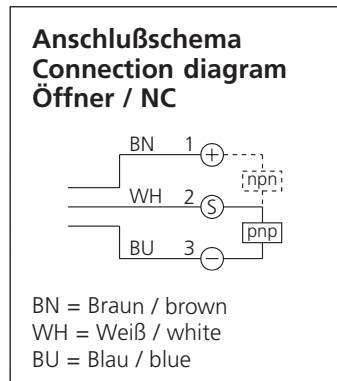
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Induktive Näherungsschalter Inductive proximity switches

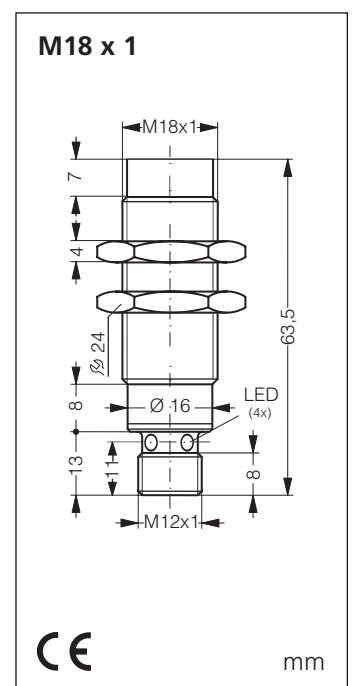
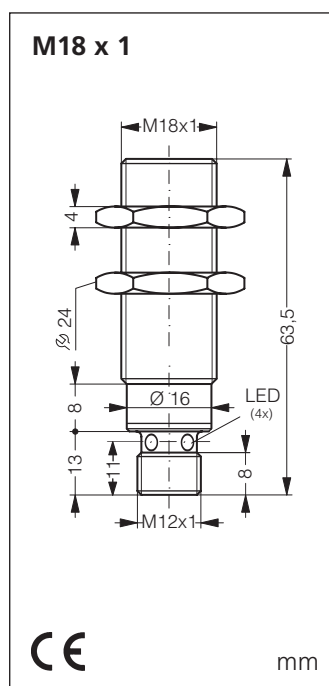
Schaltabstand S_n / Operating distance S_n (Bezug / ref. St37)

b 10 mm

nb 20 mm

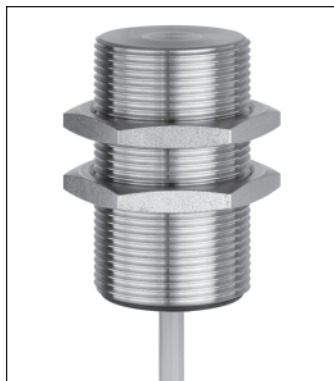


- 3-facher Normschaltabstand
- Gleicher Schaltabstand auf Stahl und Aluminium
- Gehäuse und aktive Fläche aus Edelstahl
- Unempfindlich gegen aggressive Reinigungsmittel, Umwelteinflüsse und heiße Späne
- Druckfeste aktive Fläche
- 3-times the standard operating distance
- Same operating distance to steel and aluminium
- Housing and sensing face made of stainless steel
- Insensitive to cleaning agents, environmental influences and hot chips
- Pressure resistant sensing face



Technische Daten		Technical data		Einbauhinweise beachten! / Observe installation notes!	
bei + 20 °C, 24 V DC		at + 20 °C, 24 V DC			
Schaltabstand	Operating distance	10 mm	20 mm		
Betriebsspannung	Service voltage	10...30 V DC	10...30 V DC		
Strombelastbarkeit	Maximum rating	200 mA	200 mA		
Eigenstromaufnahme	Internal power consumption	< 12 mA	< 12 mA		
Spannungsabfall	Voltage drop	< 2 V	< 2 V		
Schaltfrequenz	Operating frequency	200 Hz	200 Hz		
Schalthyserese	Switching hysteresis	< 15 %, typ. 5 %	< 15 %, typ. 5 %		
Wiederholgenauigkeit	Repeat accuracy (IEC 60947-5-2)	≤ 5 % s_n	≤ 5 % s_n		
Umgebungstemperatur	Ambient temperature	-25...+70°C	-25...+70°C		
Isolationsspannungsfestigkeit	Insulation voltage endurance	500 V	500 V		
Schutzart	Protection class	IP 67	IP 67		
Druckfestigkeit	Pressure resistance	20 bar	20 bar		
Gehäusematerial	Housing material	VA	VA		
Kabel	Cable	2 m, PUR	—		
Bestelltablelle		Purchase order table			
DC npn Schließer		DC npn NO		D7C 18 V 10 PSK-IBSL	D7C 18 V 20 PSK-IBSL
DC npn Öffner		DC npn NC		D7C 18 V 10 PÖK-IBSL	D7C 18 V 20 PÖK-IBSL
DC npn Schließer		DC npn NO		D7C 18 V 10 NSK-IBSL	D7C 18 V 20 NSK-IBSL
DC npn Öffner		DC npn NC		D7C 18 V 10 NÖK-IBSL	D7C 18 V 20 NÖK-IBSL
Zubehör		Accessory			
Anschlußkabel (sep. Datenblatt)	Connection cables (sep. data-sheet)	VK...	(Schließer / NO)	VK...	(Schließer / NO)
Anschlußkabel (sep. Datenblatt)	Connection cables (sep. data-sheet)	VK.../4	(Öffner / NC)	VK.../4	(Öffner / NC)

b 20 mm



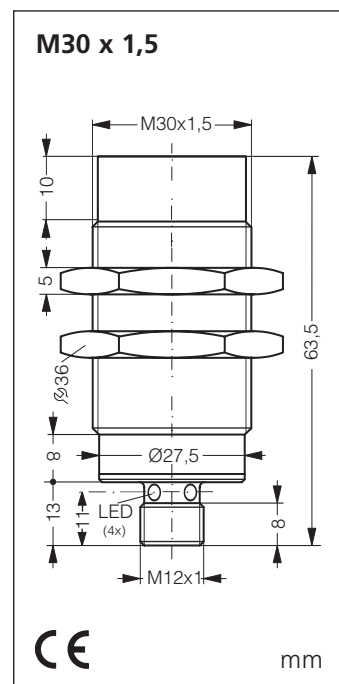
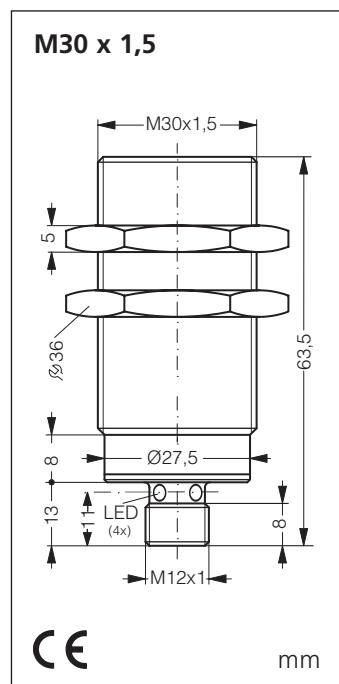
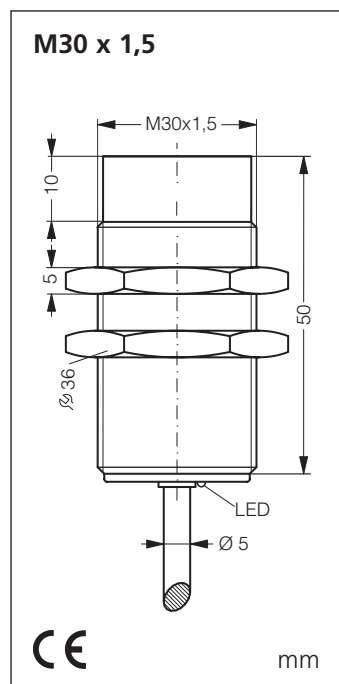
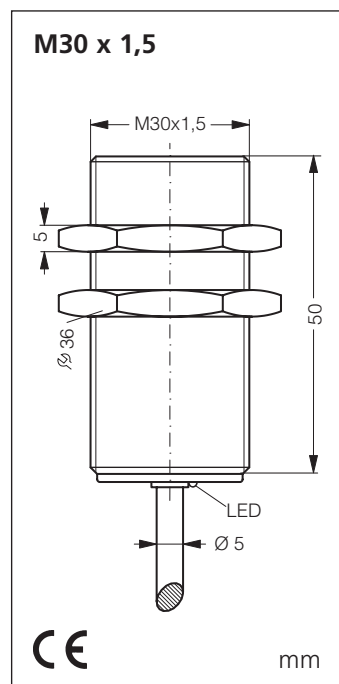
nb 40 mm



b 20 mm



nb 40 mm



20 mm

10...30 V DC

200 mA

< 12 mA

< 2 V

100 Hz

< 15 %, typ. 5 %

≤ 5 % s_n

-25...+70°C

500 V

IP 68

20 bar

VA

2 m, PUR

40 mm

10...30 V DC

200 mA

< 12 mA

< 2 V

100 Hz

< 15 %, typ. 5 %

≤ 5 % s_n

-25...+70°C

500 V

IP 68

20 bar

VA

–

20 mm

10...30 V DC

200 mA

< 12 mA

< 2 V

100 Hz

< 15 %, typ. 5 %

≤ 5 % s_n

-25...+70°C

500 V

IP 67

20 bar

VA

2 m, PUR

40 mm

10...30 V DC

200 mA

< 12 mA

< 2 V

100 Hz

< 15 %, typ. 5 %

≤ 5 % s_n

-25...+70°C

500 V

IP 67

20 bar

VA

–

D7C 30 V 20 PSLK

D7C 30 V 20 PÖLK

D7C 30 V 20 NSLK

D7C 30 V 20 NÖLK

D7C 30 V 40 PSLK

D7C 30 V 40 PÖLK

D7C 30 V 40 NSLK

D7C 30 V 40 NÖLK

D7C 30 V 20 PSK-IBSL

D7C 30 V 20 PÖK-IBSL

D7C 30 V 20 NSK-IBSL

D7C 30 V 20 NÖK-IBSL

D7C 30 V 40 PSK-IBSL

D7C 30 V 40 PÖK-IBSL

D7C 30 V 40 NSK-IBSL

D7C 30 V 40 NÖK-IBSL

–

–

VK... (Schließer / NO)**VK...** (Schließer / NO)

–

–

VK.../4 (Öffner / NC)**VK.../4** (Öffner / NC)