

## Schaltabstand $S_n$ (Bezug St37)

- Hochflexibles Kabel
- Metallstecker
- Integrierter Verstärker
- Kurzschlusschutz
- Einschaltimpulsunterdrückung
- LED / Ring-LED

### Abkürzungen

- $S_n$**  = Nennschaltabstand  
**b** = bündig in Metall  
**nb** = nicht bündig in Metall  
**qb** = quasi bündig in Metall  
**VA** = rostfreier Stahl  
**Ms** = Messing vernickelt  
**Ks** = Kunststoff  
**Al** = Aluminium eloxiert

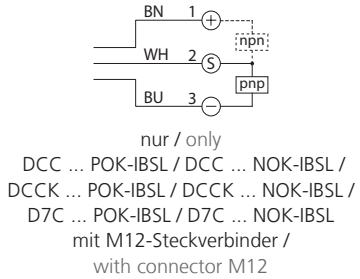
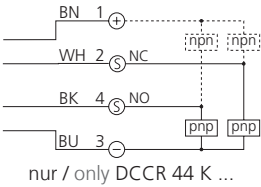
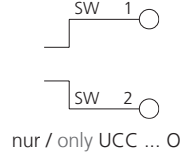
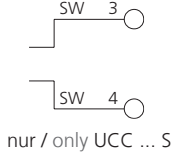
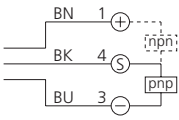
## Operating distance $S_n$ (ref. ST37)

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

### Abbreviations

- $S_n$**  = Nominal operating distance  
**b** = Flush-fitted in metal  
**nb** = Non flush-fitted in metal  
**qb** = Quasi flush-fitted in metal  
**VA** = Stainless steel  
**Ms** = Brass nickel-plated  
**Ks** = Plastic  
**Al** = Anodized aluminium

### Anschlusschema Connection diagram



- BN** = Braun / brown  
**BK** = Schwarz / black  
**BU** = Blau / blue  
**WH** = Weiß / white

### Technische Daten (typ.)

Schaltabstand
Normmessplatte
Betriebsspannung
Ausgang / Ausgangsstrom
Eigenstromaufnahme
Spannungsfall
Schaltfrequenz
Schalthyserese
Umgebungstemperatur
Isolationsspannungsfestigkeit
Schutzart
Gehäusematerial
Kabel

### Technical data (typ.) +20 °C, 24 VDC

Operating distance
Standard measuring plate
Service voltage
Output /output current
Internal power consumption
Voltage drop
Operating frequency
Switching hysteresis
Ambient temperature
Insulation voltage endurance
Protection class
Housing material
Cable

### Bestelltabelle

DC pnp	Schließer	
DC pnp	Öffner	
DC npn	Schließer	
DC npn	Öffner	

### Purchase order table

DC pnp	NO	
DC pnp	NC	
DC npn	NO	
DC npn	NC	

Analogausgang
Ausgangsschaltung nach NAMUR

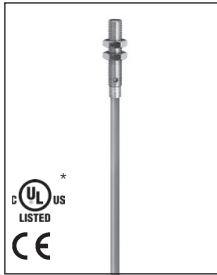
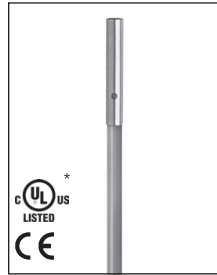
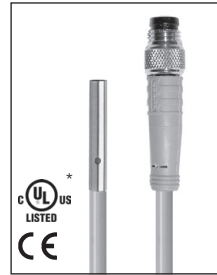
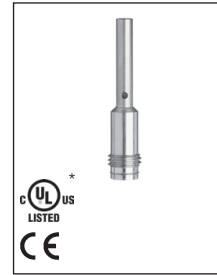
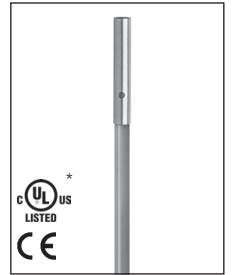
Analog output
Output circuit acc. to NAMUR

### Zubehör

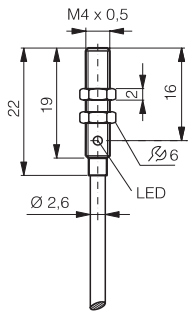
Anschlusskabel (separates Datenblatt)
Anschlusskabel (separates Datenblatt)

### Accessories

Connection cables (separate data-sheet)
Connection cables (separate data-sheet)

**b 1 mm****b 1 mm****b 0,8 mm****b 0,8 mm****b 0,8 mm****b 1,5 mm****M4x0,5**

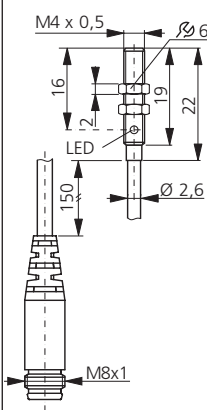
Einbauhinweise  
siehe Seite 95 ③  
Installation notes  
see page 95 ③



mm (typ.)  
CAD ⇔  
www.di-soric.de

**M4x0,5**

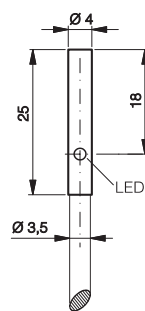
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Installation notes  
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mm (typ.)  
CAD ⇔  
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**∅ 4 mm**

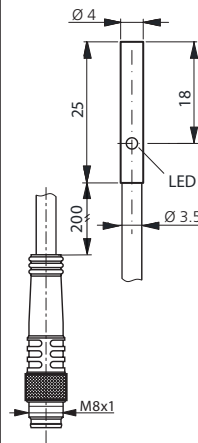
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Installation notes  
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mm (typ.)  
CAD ⇔  
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**∅ 4 mm**

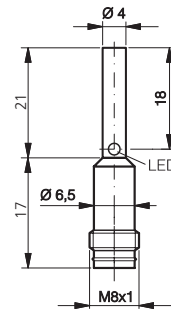
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Installation notes  
see page 91 ①



mm (typ.)  
CAD ⇔  
www.di-soric.de

**∅ 4 mm**

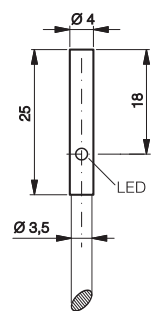
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mm (typ.)  
CAD ⇔  
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**∅ 4 mm**

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Installation notes  
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mm (typ.)  
CAD ⇔  
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1 mm	1 mm	0,8 mm	0,8 mm	0,8 mm	1,5 mm
4 x 4 x 1 mm	4 x 4 x 1 mm	4 x 4 x 1 mm	4 x 4 x 1 mm	4 x 4 x 1 mm	4,5 x 4,5 x 1 mm
10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
npn / npn, 100 mA	npn / npn, 100 mA	npn / npn, 200 mA	npn / npn, 200 mA	npn / npn, 200 mA	npn / npn, 200 mA
< 10 mA	< 10 mA	< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 2,0 V	< 2,0 V	< 2,0 V	< 2,0 V	< 2,0 V	< 2,0 V
3.000 Hz	3.000 Hz	5.000 Hz	5.000 Hz	5.000 Hz	3.000 Hz
5 %	5 %	5 %	5 %	5 %	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 67	IP 67	IP 67	IP 67	IP 67	IP 67
VA	VA	VA	VA	VA	VA
2,0 m, PUR	0,15 m, PUR	2,0 m, PVC	0,2 m, PVC	-	2,0 m, PVC

<b>DCC 04 V 1.0 PSLK</b>	<b>DCC 04 V 1.0 PSK-K-TSL</b>	<b>DCC 4.0 V 0.8 PSLK</b>	<b>DCC 4.0 V 0.8 PSK-KR-TSL</b>	<b>DCC 4.0 V 0.8 PSK-TSL</b>	<b>DCC 4.0 V 1.5 PSLK</b>
DCC 04 V 1.0 POLK	DCC 04 V 1.0 POK-K-TSL	DCC 4.0 V 0.8 POLK	DCC 4.0 V 0.8 POK-KR-TSL	DCC 4.0 V 0.8 POK-TSL	DCC 4.0 V 1.5 POLK
DCC 04 V 1.0 NSLK	DCC 04 V 1.0 NSK-K-TSL	DCC 4.0 V 0.8 NSLK	DCC 4.0 V 0.8 NSK-KR-TSL	DCC 4.0 V 0.8 NSK-TSL	DCC 4.0 V 1.5 NSLK
DCC 04 V 1.0 NOLK	DCC 04 V 1.0 NOK-K-TSL	DCC 4.0 V 0.8 NOLK	DCC 4.0 V 0.8 NOK-KR-TSL	DCC 4.0 V 0.8 NOK-TSL	DCC 4.0 V 1.5 NOLK
-	-	-	-	-	-
-	-	-	-	-	-
-	<b>TK...</b>	-	<b>TK...</b>	<b>TK...</b>	-
-	-	-	-	-	-