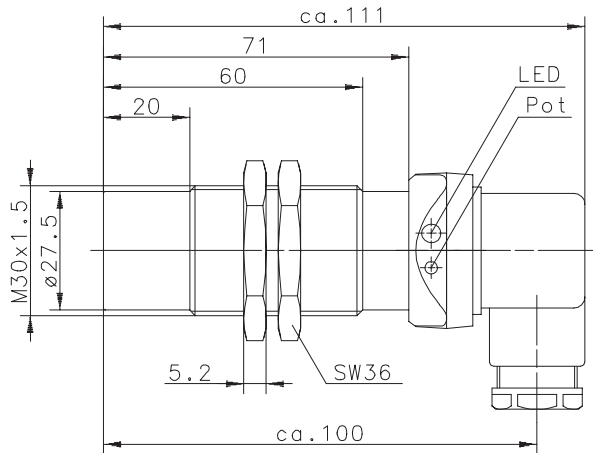


Type: **KCN-T30PS/020-KLPSD**

 Art.-Nr.: **650.7936.988**

04.05.05/0372-05



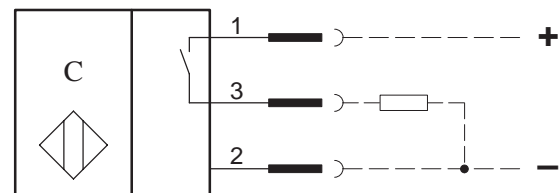
Allgemeine Kenndaten

| | |
|---|--------------------------------|
| Gehäuse | PBT, schwarz |
| Schutzart | IP 65 ¹⁾ |
| Umgebungstemperatur | -25 °C bis +70 °C |
| Anschlußart | Steckverbindung ²⁾ |
| Gegen beliebiges Verpolen der Anschlußleitungen geschützt | |
| Transientenfestigkeit | 500 V; 1,2/50 µs bei Ri = 42 Ω |
| Ausgang dauerkurzschluß- und Überlastfest | |
| Funktionsanzeige | LED |
| Schaltabstand einstellbar | ja |

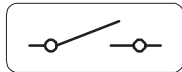
Sonderheiten / Anmerkungen

- 1) mit montierter Kabeldose
- 2) Steckdose nach DIN 43650

Anschlußschema:



Schaltungsart

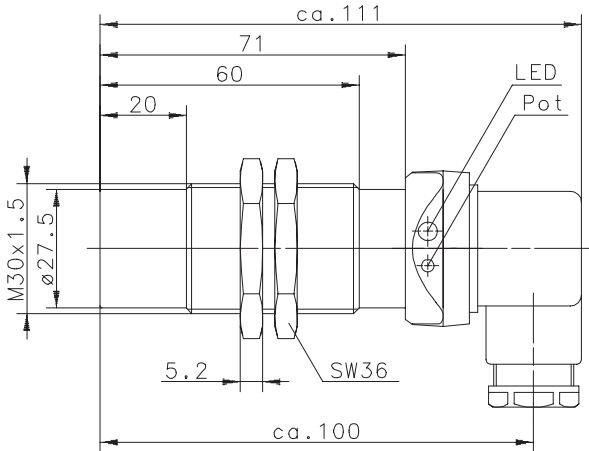


Plus-Schließer, DC
Bei Bedämpfung schaltet PNP Transistor Ausgang an Plus

Spezielle Kenndaten

Bemerkungen

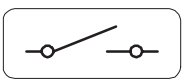
| Spezielle Kenndaten | | Bemerkungen |
|-------------------------|-------|--------------|
| Bemessungsschaltabstand | s_n | 20 mm |
| Erfassungsbereich | s_d | 5 ... 20 mm |
| Einbauart | | nicht bündig |
| Nennspannung | U_e | 12 – 48 V DC |
| Betriebsspannung | U_B | 10 – 60 V DC |
| Schaltstrom | I_e | ≤ 400 mA |
| Reststrom | I_R | ≤ 0,5 mA |
| Stromaufnahme ohne Last | I_o | ≤ 20 mA |
| Spannungsabfall | U_d | < 3 V |
| Schalthysterese | H | ≤ 20 % |
| Wiederholgenauigkeit | R | ≤ 10 % |
| Bereitschaftsverzug | t_v | < 50 ms |
| Schaltfrequenz | f | ≈ 25 Hz |

Type: KCN-T30PS/020-KLPSD
Art.-No.: 650.7936.988
04.05.05/0372-05

General Features

| | |
|--|-------------------------------|
| housing | PBT, black |
| protection | IP 65; NEMA 12 ¹⁾ |
| operating temperature | -25°C to 70°C |
| termination type | plug socket ²⁾ |
| protection against reverse supply polarity | |
| max. transient voltage rate | 500 V; 1,2/50 µs at Ri = 42 Ω |
| permanent overload and s.c.p. | |
| indication | LED |
| sensing distance adjustable | |

Options / Comments

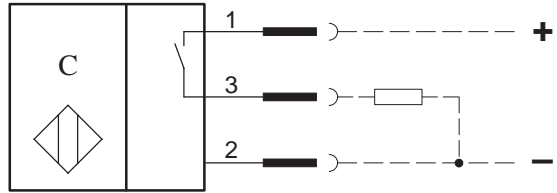
- 1) with connected socket
- 2) acc. to DIN 43650

Electrical Output


Make (normally open)

PNP

The sensor switches the load to the positive terminal.

Wiring Diagram:

Characteristics
Remarks

| rated operating distance | s_n | 20 mm | $s_r = s_n \pm 10 \%$ |
|--------------------------------|-------|--------------|------------------------|
| sensing range | s_d | 5 ... 20 mm | |
| mounting | | non flush | |
| rated operational voltage | U_e | 12 – 48 V DC | |
| operational voltage range | U_B | 10 – 60 V DC | incl. ripple frequency |
| rated operational current | I_e | ≤ 400 mA | |
| off-state current | I_R | ≤ 0,5 mA | |
| non-load supply current | I_o | ≤ 20 mA | |
| voltage drop | U_d | < 3 V | at 400 mA |
| hysteresis | H | ≤ 20 % | relative to s_r |
| repeat accuracy | R | ≤ 10 % | |
| time delay before availability | t_v | < 50 ms | |
| frequency of operating cycles | f | ≈ 25 Hz | |