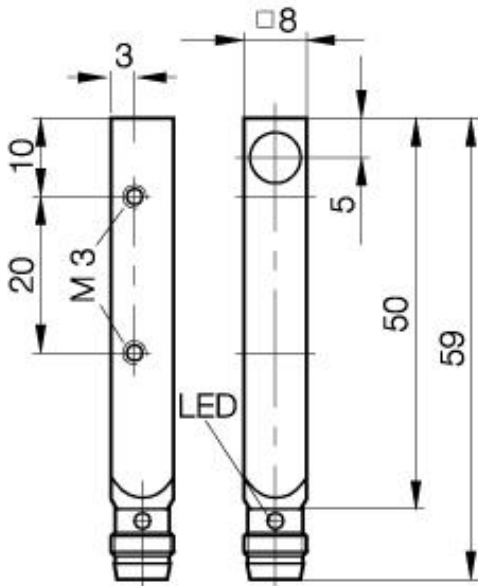


**Inductive Sensors**  
**BES Q08ZC-NOC20B-S49G**  
**8 x 8 x 59**  
**normally-closed**  
**Sn=2mm**  
**shielded**



PX0676

**Common Data**

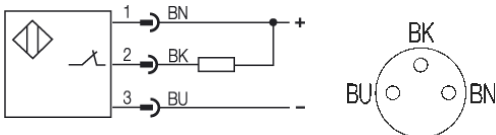
|                                |             |
|--------------------------------|-------------|
| Mounting in steel              | shielded    |
| Rated operating distance Sn    | 2mm         |
| Assured operating distance Sa  | 0...1.6mm   |
| Repeatability R                | ≤ 5%        |
| Hysteresis                     | ≤ 15%       |
| Function indication            | yes         |
| Ambient temperature range      | -25...+70°C |
| Pollution Degree               | 3           |
| Time delay before availability | ≤ 10ms      |

**Mechanical Data**

|   |                          |
|---|--------------------------|
| Measurements BxHxT or DxT                       | 8 x 8 x 59mm             |
| Housing material                                | Gd Zn Al                 |
| Material of sensing face                        | PA 12                    |
| Degree of protection                            | IP65IP                   |
| Connection                                      | Connector S49 (M8 3-pin) |
| Schock: Halfsinus, 30 gn, 11ms                  |                          |
| Vibration: 55 Hz, 1mm Amplitude, 3 x 30 Minutes |                          |

**Electrical Data**

|                                     |                 |
|-------------------------------------|-----------------|
| Current type                        | DC              |
| Wiring                              | 3-Wire          |
| switching function                  | normally-closed |
| Output signal                       | NPN             |
| Rated operational voltage           | 24 DCV          |
| Rated operational current           | 200mA           |
| Supply voltage                      | 10...30 DCV     |
| Ripple                              | ≤ 10%           |
| max. switching frequency            | 1000Hz          |
| No-load supply current              | ≤ 12/≤ 20mA     |
| Off-state current                   | ≤ 10µA          |
| Voltage drop                        | ≤ 2.5/-V        |
| Short circuit protection            | yes             |
| Protected against polarity reversal | yes             |



Utilization categories  
 Insulation class

DC 13

Datasheet number:

Definitions see general catalog.  
 If not otherwise noted, ratings according to  
 IEC 60947-5-2 (DIN EN60947-5-2)

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Datenblatt by CD-ROM - 04/2007

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 sensors worldwide