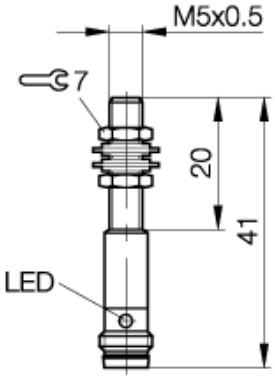
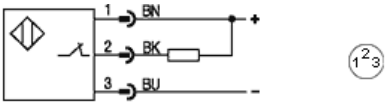
**Inductive Sensors**
# BES 516-3023-G-E5-C-S 49

**cyl. M 5**
**Sn = 1,5 mm**
**DC 3-Wire**
**shielded**




PX0708a



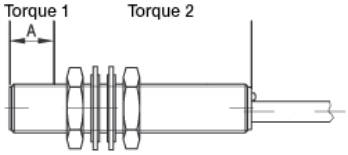

Utilization categories DC 13

Notes
Mounting with free zone of 3.0mm

Further information:

Einbauhinweise 825357 Hinweis EMV Schutzbeschaltung

## Tightening torque:




Torque 1 Nm 1

If only torque1 is indicated,
this applies to entire thread

If not differently indicated,
all values by IEC 60947-5-2 (DIN EN60947-5-2)
Specifications subject to change
Balluff GmbH
Postfach 1160
73761 Neuhausen

## Common Data

| | | |
|---|---|---|
| Mounting | | shielded |
| Rated operating distance Sn | mm | 1,5 |
| Assured operating distance Sa | mm | 0...1.2 |
| Repeatability | % | <= 5 |
| Hysteresis | % | <= 15 |
| Function indication | | yes |
| Ambient temperature range | °C | -25...+70 |
| Polution Degree | | 3 |
| IEC-Code | | I1A05BN2 |
| Time delay before availability | ms | <= 10 |

## Mechanical Data

| | | |
|---|---|---|
| Housing size | mm | cyl. M 5 |
| Measurements BxHxT or DxT | mm | M5x0.5 x 41 |
| Housing material | | stainless steel |
| Material of sensing face | | POM |
| Degree of protection | | IP67 |
| Connection | | Connector S49 |

## Electrical Data

| | | |
|---|---|---|
| Current type | | DC |
| Wiring | | 3-Wire |
| switching function | | normally-closed |
| Output signal | | NPN |
| Rated operational voltage | V | 24 DC |
| Rated operational current | mA | 100 |
| Supply voltage | V | 10...30 DC |
| Ripple | % | <= 10 |
| Rated supply frequency | Hz | 1800 |
| Minimum operational current | mA | 0 |
| No-load supply current | mA | <= 10/<= 3 |
| Off-state current | µA | <= 80 |
| Voltage drop | V | <= 3.0/- |
| Short circuit protection | | yes |
| Protected against polarity reversal | | yes |

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