KB-3020-BNKG/NI

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C $\in$

| Product characteristics |  |
| :---: | :---: |
| Electrical design | NPN |
| Output function | normally closed |
| Sensing range [mm] | 3... 20 |
| Housing | tubular |
| Dimensions [mm] | Ø $34 / \mathrm{L}=81$ |
| Electrical data |  |
| Operating voltage [V] | 10... 36 DC |
| Current consumption [mA] | 13; (24 V) |
| Protection class | 11 |
| Reverse polarity protection | yes |
| Outputs |  |
| Electrical design | NPN |
| Output function | normally closed |
| Max. voltage drop switching [V] output DC | 2.5 |
| Permanent current rating of [mA] switching output DC | 250 |
| Switching frequency DC [Hz] | 40 |
| Short-circuit protection | yes |
| Type of short-circuit protection | yes (non-latching) |
| Overload protection | yes |
| Monitoring range |  |
| Sensing range [mm] | 3... 20 |
| Sensing range adjustable | yes |
| Factory setting sensing range [mm] | 20 |
| Real sensing range $\mathrm{Sr} \quad[\mathrm{mm}]$ | $20 \pm 10$ \% |
| Operating distance [mm] | 0...16.2 |

## Accuracy / deviations

## Correction factor

KB-3020-BNKG/NI

| Hysteresis [\% of Sr] | 1... 15 |
| :---: | :---: |
| Switch-point drift [\% of Sr] | -15... 15 |
| Operating conditions |  |
| Ambient temperature [ ${ }^{\circ} \mathrm{C}$ ] | -25... 70 |
| Protection | IP 65 |
| Increased immunity | yes; (Increased immunity to conducted radio frequency interference) |
| Tests / approvals |  |
| EMC | EN 60947-5-2 |
| Mechanical data |  |
| Housing | tubular |
| Mounting | non-flush mountable |
| Dimensions [mm] | $\varnothing 34 / \mathrm{L}=81$ |
| Material | PBT |
| Displays / operating elements |  |
| Display | Switching status $\quad 1 \times$ LED, yellow |
| Accessories |  |
| Items supplied | Mounting clamp: 1 |
|  | screwdriver: 1 |
| Remarks |  |
| Pack quantity | 1 pcs. |
| Electrical connection |  |

Cable: $2 \mathrm{~m}, \mathrm{PVC} ; 3 \times 0.5 \mathrm{~mm}^{2}$

## Connection



Core colors :
$B N=$
brown
$B U=$ blue
$B K=$
black

