efector100®

Induktive Näherungsschalter

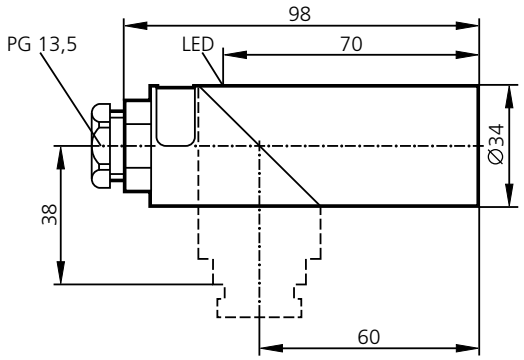
# IB5063

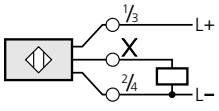
IBE3020-FPKG

Kunststoffhülse Ø 34mm
Anschlußklemmen

Schaltabstand 20mm [nb]
nicht bündig einbaubar

CE




| Elektrische Ausführung<br>Ausgangsfunktion | | 3-Leiter DC PNP<br>Schließer / Öffner programmierbar |
|---|---|---|
| Betriebsspannung | [V] | 10 ... 36 DC |
| Strombelastbarkeit (Dauer)<br>Strombelastbarkeit (Kurzzeit) | [mA]<br>[mA] | 250<br>— |
| Mindestlaststrom | [mA] | — |
| Kurzschlußschutz, getaktet | | • |
| Verpolungssicher / überlastfest | | • |
| Spannungsabfall (max. Last) | [V] | < 2,5 |
| Reststrom | [mA] | — |
| Stromaufnahme | [mA] | < 15 (24 V) |
| Schaltfrequenz | [Hz] | 350 |
| Realschaltabstand Sr | [mm] | 20 ± 10% |
| Arbeitsabstand | [mm] | 0 ... 16,2 |
| Schaltpunktdrift | [% von Sr] | -10 ... +10 |
| Hysterese | [% von Sr] | 1 ... 15 |
| Korrekturfaktoren | | Stahl (St37) = 1; V2A ca. 0,7; Ms ca. 0,4; Al ca. 0,3; Cu ca. 0,2 |
| Schaltzustandsanzeige | | LED gelb |
| Umgebungstemperatur | [°C] | -25 ... +80 |
| Schutzart, Schutzklasse | | IP 65 ⧈ |
| EMV | | prEN 60947-5-2 Annex X;<br>EN 55011 Klasse B |
| Gehäusewerkstoff | | PBTP; Schrägstück Polycarbonat |
| Anschluß | | Klemmen bis 2,5mm² |
| Anschlußschema | |  |

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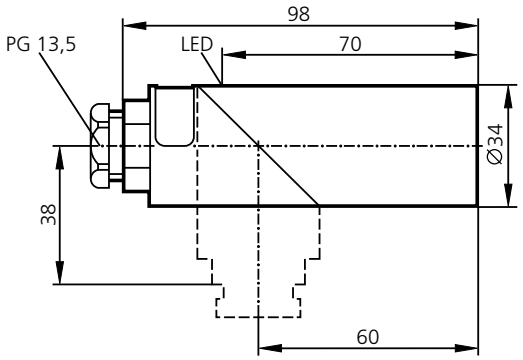
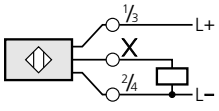
IBE3020-FPKG

Plastic housing Ø 34mm
Terminals

Sensing range 20mm [nf]
non-flush mountable

CE




| Electrical Design<br>Output | | 3-wire DC PNP<br>normally open / normally closed programmable |
|---|---|---|
| Operating voltage | [V] | 10 ... 36 DC |
| Current rating (continuous)<br>Current rating (peak) | [mA]<br>[mA] | 250<br>— |
| Minimum load current | [mA] | — |
| Short circuit protection | | • |
| Reverse polarity / overload protection | | • |
| Voltage drop | [V] | < 2.5 |
| Leakage current | [mA] | — |
| Current consumption | [mA] | < 15 (24 V) |
| Switching frequency | [Hz] | 350 |
| Real sensing range Sr | [mm] | 20 ± 10% |
| Operating distance | [mm] | 0 ... 16.2 |
| Switch-point drift | [% of Sr] | -10 ... +10 |
| Hysteresis | [% of Sr] | 1 ... 15 |
| Correction factors | | steel = 1; stainless steel approx. 0.7; Ms approx. 0.4; Al approx. 0.3; Cu approx. 0.2 |
| Output status indication | | LED yellow |
| Operating temperature | [°C] | -25 ... +80 |
| Protection | | IP 65I ⧈ |
| EMC | | prEN 60947-5-2 annex X;<br>EN 55011 class B |
| Housing material | | PBTP; end cap: polycarbonate |
| Connection | | terminals up to 2.5mm² |
| Wiring | |  |

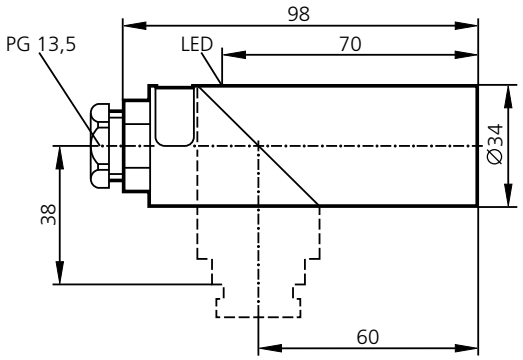
# IB5063

IBE3020-FPKG

Boîtier plastique Ø 34mm
Boîte de raccordement

Portée 20mm [nb]
non encastrable

CE




| | |
|---|---|
| **Technologie** | **3 fils DC PNP** |
| **Sortie** | **normalement ouvert / normalement fermé programmable** |

| | | |
|---|---|---|
| Tension d'alimentation | [V] | 10 ... 36 DC |
| Courant de sortie (au maintien) | [mA] | 250 |
| Courant de sortie (à l'appel) | [mA] | — |
| Courant de sortie minimum | [mA] | — |
| Protégé: courts-circuits | | • |
| Protégé: inv. de pol. et surcharges | | • |
| Chute tension / charge maxi | [V] | < 2,5 |
| Courant résiduel | [mA] | — |
| Consommation | [mA] | < 15 (24 V) |
| Fréquence de commutation | [Hz] | 350 |

| | | |
|---|---|---|
| Portée réelle Sr | [mm] | 20 ± 10% |
| Portée de travail | [mm] | 0 ... 16,2 |
| Dérive du point de commm. | [% de Sr] | -10 ... +10 |
| Hystérésis | [% de Sr] | 1 ... 15 |
| Facteurs de correction | | acier = 1; V2A (303) env. 0,7; Ms env. 0,4; Al env. 0,3; Cu env. 0,2 |

| | | |
|---|---|---|
| Indication de commutation | | LED jaune |
| Température ambiante | [°C] | -25 ... +80 |
| Protection | | IP 65 ⧈ |
| CEM | | prEN 60947-5-2 annexe X;<br>EN 55011 classe B |
| Boîtier | | PBTP; polycarbonate |
| Raccordement | | bornes jusqu'à 2,5mm² |
| Schéma de branchement | | |