

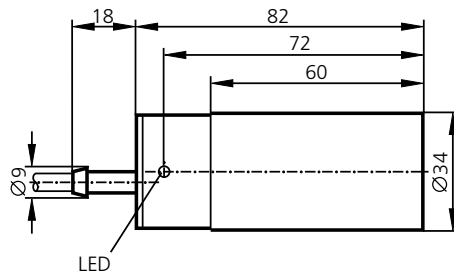
IB5096

IB-3020-BPKG

Kunststoffhülse Ø 34mm

Anschlußleitung

Schaltabstand 20mm [nb]
nicht bündig einbaubar



Elektrische Ausführung Ausgangsfunktion

Betriebsspannung	[V]
Strombelastbarkeit (Dauer)	[mA]
Strombelastbarkeit (Kurzzeit)	[mA]
Mindestlaststrom	[mA]
Kurzschlußschutz, getaktet	
Verpolungssicher / überlastfest	
Spannungsabfall (max. Last)	[V]
Reststrom	[mA]
Stromaufnahme	[mA]
Schaltfrequenz	[Hz]

Realschaltabstand Sr	[mm]
Arbeitsabstand	[mm]
Schaltpunktdrift	[% von Sr]
Hysterese	[% von Sr]
Korrekturfaktoren	

Schaltzustandsanzeige	
Umgebungstemperatur	[°C]
Schutzart, Schutzklasse	
EMV	

Gehäusewerkstoff	
Anschluß	

Anschlußschema

Adernfarben:
braun: BN
blau: BU
schwarz: BK
weiß: WH


3-Leiter DC PNP Schließer

10 ... 36 DC
250
—
—
•
•
< 2,5
—
< 15 (24 V)
60

20 ± 10%
0 ... 16,2
-10 ... +10
1 ... 15

Stahl (St37) = 1; V2A ca. 0,7; Ms ca. 0,4; Al ca. 0,3; Cu ca. 0,2

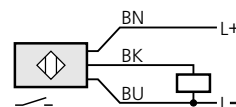
LED gelb
-25 ... +80

IP 67 

prEN 60947-5-2 Annex X; EN 55011 Klasse B

PBTP

PVC-Kabel, 2m/3 x 0,5mm²



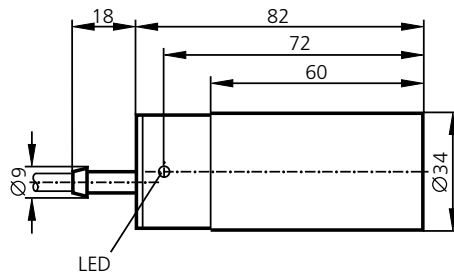
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IB-3020-BPKG

Plastic housing Ø 34mm

Cable

Sensing range 20mm [nf]
non-flush mountable



Electrical Design Output

Operating voltage	[V]
Current rating (continuous)	[mA]
Current rating (peak)	[mA]
Minimum load current	[mA]
Short circuit protection	
Reverse polarity / overload protection	
Voltage drop	[V]
Leakage current	[mA]
Current consumption	[mA]
Switching frequency	[Hz]

Real sensing range S_r	[mm]
Operating distance	[mm]
Switch-point drift	[% of S_r]
Hysteresis	[% of S_r]
Correction factors	

Output status indication	
Operating temperature	[°C]
Protection	
EMC	
Housing material	
Connection	

Wiring

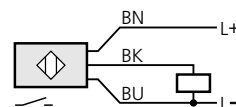
Core colours:
brown: BN
blue: BU
black: BK
white: WH

3-wire DC PNP normally open

Operating voltage	10 ... 36 DC
Current rating (continuous)	250
Current rating (peak)	—
Minimum load current	—
Short circuit protection	•
Reverse polarity / overload protection	•
Voltage drop	< 2.5
Leakage current	—
Current consumption	< 15 (24 V)
Switching frequency	60

Real sensing range S_r	$20 \pm 10\%$
Operating distance	0 ... 16.2
Switch-point drift	-10 ... +10
Hysteresis	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	-25 ... +80
Protection	IP 67
EMC	prEN 60947-5-2 annex X; EN 55011 class B
Housing material	PBTP
Connection	PVC cable, 2m/3 x 0.5mm ²



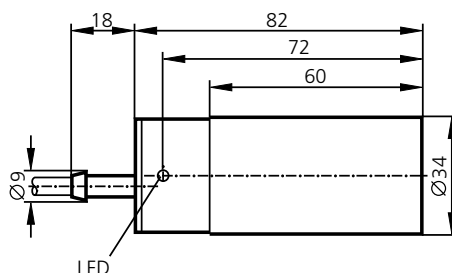
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IB-3020-BPKG

Boîtier plastique Ø 34mm

Raccordement par câble

Portée 20mm [nb]
non encastrable



Technologie Sortie

Tension d'alimentation	[V]
Courant de sortie (au maintien)	[mA]
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]
Courant résiduel	[mA]
Consommation	[mA]
Fréquence de commutation	[Hz]

Portée réelle Sr	[mm]
Portée de travail	[mm]
Dérive du point de commm.	[% de Sr]
Hystérésis	[% de Sr]
Facteurs de correction	

Indication de commutation	
Température ambiante	[°C]
Protection	
CEM	

Boîtier	
Raccordement	

Schéma de branchement

Couleurs de fils conducteurs:

noir:	BK
brun:	BN
bleu:	BU
blanc:	WH

3 fils DC PNP normalement ouvert

10 ... 36 DC
250
—
—
oui
oui
< 2,5
—
< 15 (24 V)
60

20 ± 10%
0 ... 16,2
-10 ... +10
1 ... 15
acier = 1; V2A (303) env. 0,7; Ms env. 0,4; Al env. 0,3; Cu env. 0,2

LED jaune
-25 ... +80
IP 67

prEN 60947-5-2 annexe X; EN 55011 classe B

PBTP
câble PVC, 2m/3 x 0,5mm ²

