efector100®

Induktive Näherungsschalter

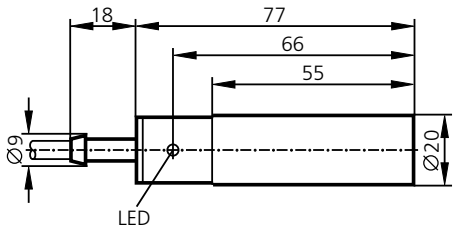
IA5082

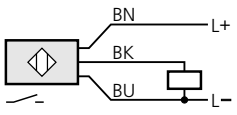
IA-3010-BPKG

Kunststoffhülse Ø 20mm
Anschlußleitung

Schaltabstand 10mm [nb]
nicht bündig einbaubar

CE



Elektrische Ausführung **Ausgangsfunktion**		**3-Leiter DC PNP** **Schließer**
Betriebsspannung	[V]	10 ... 36 DC
Strombelastbarkeit (Dauer) Strombelastbarkeit (Kurzzeit)	[mA] [mA]	250 —
Mindestlaststrom	[mA]	—
Kurzschlußschutz, getaktet		•
Verpolungssicher / überlastfest		•
Spannungsabfall (max. Last)	[V]	< 2,5
Reststrom	[mA]	—
Stromaufnahme	[mA]	< 15 (24 V)
Schaltfrequenz	[Hz]	300
Realschaltabstand Sr	[mm]	10 ± 10%
Arbeitsabstand	[mm]	0 ... 8,1
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 67 ⧈
EMV		prEN 60947-5-2 Annex X; EN 55011 Klasse B
Gehäusewerkstoff		PBTP
Anschluß		PVC-Kabel, 2m/3 x 0,5mm²
Anschlußschema		

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

efector100®

Inductive proximity switches

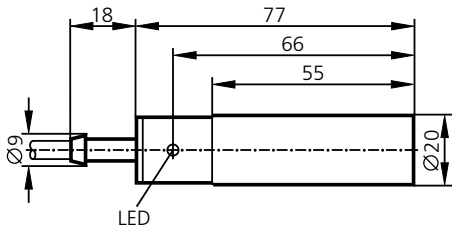
IA5082

IA-3010-BPKG

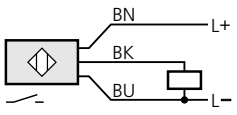
Plastic housing Ø 20mm
Cable

Sensing range 10mm [nf]
non-flush mountable

CE



Electrical Design		**3-wire DC PNP**
Output		**normally open**
Operating voltage	[V]	10 ... 36 DC
Current rating (continuous)	[mA]	250
Current rating (peak)	[mA]	—
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]	300
Real sensing range Sr	[mm]	10 ± 10%
Operating distance	[mm]	0 ... 8,1
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 67 ⧈
EMC		prEN 60947-5-2 annex X; EN 55011 class B
Housing material		PBTP
Connection		PVC cable, 2m/3 x 0,5mm²
Wiring		



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

 We reserve the right to make technical alterations without prior notice.

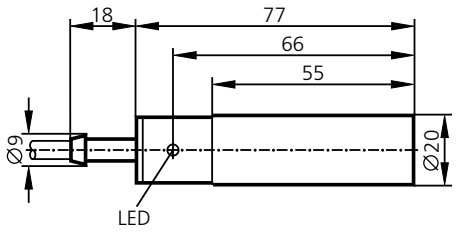
IA5082

IA-3010-BPKG

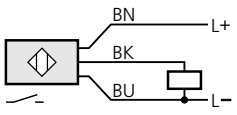
Boîtier plastique Ø 20mm
Raccordement par câble

Portée 10mm [nb]
non encastrable

CE



Technologie		**3 fils DC PNP**
Sortie		**normalement ouvert**
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]	300
Portée réelle Sr	[mm]	10 ± 10%
Portée de travail	[mm]	0 ... 8,1
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 67 ⧈
CEM		prEN 60947-5-2 annexe X; EN 55011 classe B
Boîtier		PBTP
Raccordement		câble PVC, 2m/3 x 0,5mm²
Schéma de branchement		



Couleurs de fils conducteurs:
noir: BK
brun: BN
bleu: BU
blanc: WH

Nous nous réservons le droit de modifier les données techniques sans préavis.