

IG5813

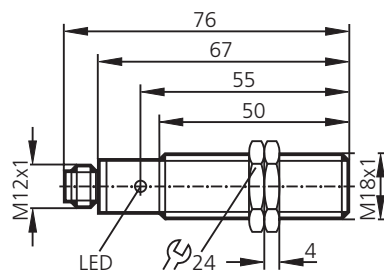
IGA3005-BPKG/V4A/US

Metallgewinde M18 x 1

Steckverbindung

Schaltabstand 5mm [b]

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 S_r	[mm]
Arbeitsabstand	[mm]
Schaltpunktdrift	[% von S_r]
Hysterese	[% von S_r]
Korrekturfaktoren	

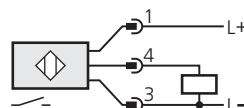
Schaltzustandsanzeige	
Umgebungstemperatur	[°C]
Schutzart, Schutzklasse	
EMV	
Gehäusewerkstoff	
Anschluß	
Anschlußschema	

3-Leiter DC PNP Schließer

10 ... 55 DC
250
—
—
•
•
< 2,5
—
< 15 (24 V)
500

$5 \pm 10\%$
0 ... 4,05
-10 ... +10
1 ... 15
Stahl (St37) = 1; V2A ca. 0,7; Messing ca. 0,5; Al ca. 0,5; Cu ca. 0,4

LED gelb
-25 ... +80
IP 67 
EN 60947-5-2 EN 55011 Klasse B
V4A (1.4571); PBTP
M12-Steckverbindung (Goldkontakte)



IG5813

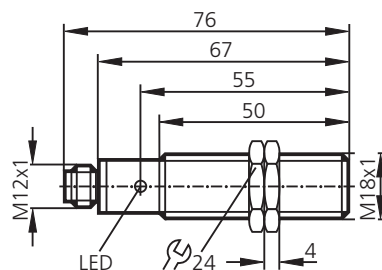
IGA3005-BPKG/V4A/US

Metal thread M18 x 1

Plug and socket

Sensing range 5mm [f]

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	

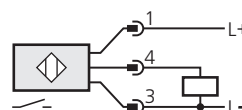
3-wire DC PNP normally open

10 ... 55 DC
250
—
—
•
•
< 2.5
—
< 15 (24 V)
500

$5 \pm 10\%$
0 ... 4.05
-10 ... +10
1 ... 15

mild steel = 1; stainless steel approx. 0.7; brass approx. 0.5; Al approx. 0.5; Cu approx. 0.4

LED yellow
-25 ... +80
IP 67 
EN 60947-5-2 EN 55011 class B
stainless steel (320S31); PBTP
M12 connector (gold-plated contacts)



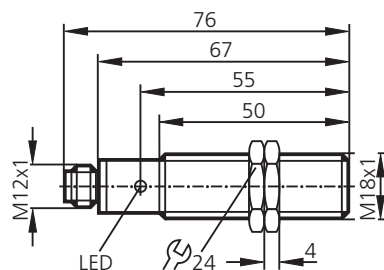
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IGA3005-BPKG/V4A/US

Filetage métallique M18 x 1

Raccordement par
connecteur

Portée 5mm [b]
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 S_r	[mm]
Portée de travail	[mm]
Dérive du point de comm.	[% de S_r]
Hystérésis	[% de S_r]
Facteurs de correction	

Indication de commutation	
Température ambiante	[°C]
Protection	
CEM	
Boîtier	
Raccordement	
Schéma de branchement	

3 fils DC PNP normalement ouvert

10 ... 55 DC
250
—
—
•
•
< 2,5
—
< 15 (24 V)
500

$5 \pm 10\%$
0 ... 4,05
-10 ... +10
1 ... 15
acier = 1; V2A (303) env. 0,7; laiton env. 0,5; Al env. 0,5; Cu env. 0,4

LED jaune
-25 ... +80
IP 67
EN 60947-5-2 EN 55011 classe B
INOX $\approx$ 316Ti; PBTP
embase M12 (contacts dorés)

