

NG5002

IGA2005-N

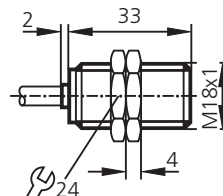
Metallgewinde M18 x 1

Anschlußleitung

Schaltabstand 5 mm [b]

bündig einbaubar

CE



Elektrische Ausführung

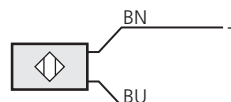
Ausgangsfunktion	
Nennspannung	[V]
Anschlußspannung	[V]
Max. Leitungswiderstand	[Ω]
Stromaufnahme (leitend)	[mA]
(sperrend)	[mA]
Eigenkapazität	[nF]
Eigeninduktivität	[μH]
Schaltfrequenz	[Hz]

Schaltzustandsanzeige	
Umgebungstemperatur	[°C]
Schutzart	
Schockfestigkeit b max.	[g]
t	[ms]
Schwingbeanspruchung fv	[Hz]
a max.	[mm]

Gehäusewerkstoff	
Zulassungen	
Anschluß	
Anschlußschema	

Anschluß an Schaltverstärker NV0100, NV0200 oder andere zugelassene Schaltverstärker mit den Höchstwerten: U = 15V; I = 50 mA; P = 180mW

Öffner
8,2 DC (1 kΩ)
5 ... 25 DC
≤ 50
≥ 2,2
≤ 1
≤ 230
≤ 60
720
—
-20 ... +70
IP 67
≤ 30
11
10 ... 55
1
Messing vernickelt; PBTP
PTB-Zulassungsnummer: Ex-94.C.2128
Gerätekenzeichnung: EEx ia IIC T6
PVC-Kabel, 2m / 2 x 0,5mm ²



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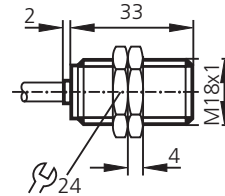
Metal thread M18 x 1

Cable

Sensing range 5 mm [f]

flush mountable

CE



Electrical Design

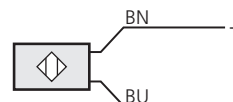
Output	
Nominal voltage	[V]
Operating voltage	[V]
Max. cable resistance	[Ω]
Current consumption (undamped)	[mA]
(damped)	[mA]
Internal capacitance	[nF]
Internal inductance	[μH]
Switching frequency	[Hz]

Output status indication	
Operating temperature	[°C]
Protection	
Shock resistance b max.	[g]
t	[ms]
Vibration resistance fv	[Hz]
a max.	[mm]

Housing material	
Approvals	
Connection	
Wiring	

connection to control monitors NV0100, NV0200 or other certified amplifiers
maximum values: U = 15V; I = 50 mA; P = 180mW

Output	normally closed
Nominal voltage	8.2 DC (1 kΩ)
Operating voltage	5 ... 25 DC
Max. cable resistance	≤ 50
Current consumption (undamped)	≥ 2.2
(damped)	≤ 1
Internal capacitance	≤ 230
Internal inductance	≤ 60
Switching frequency	720
Output status indication	—
Operating temperature	-20 ... +70
Protection	IP 67
Shock resistance b max.	≤ 30
t	11
Vibration resistance fv	10 ... 55
a max.	1
Housing material	nickel-plated brass; PBTP
Approvals	PTB-Approval-No. Ex-94.C.2128 Designation: EEx ia IIC T6
Connection	PVC cable, 2m / 2 x 0.5mm ²



Core colours:
brown: BN
blue: BU
black: BK
white: WH
green/yellow: GN/YE

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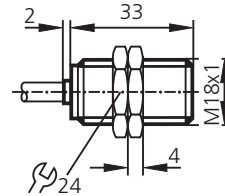
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Filetage métallique M18 x 1

Raccordement par câble

Portée 5 mm [b]

encastrable



Technologie

Sortie	
Tension nominale	[V]
Tension d'alimentation	[V]
Résistance de câble maxi	[Ω]
Consommation (commuté)	[mA]
(non commuté)	[mA]
Capacité propre	[nF]
Inductance propre	[μH]
Fréquence de commutation	[Hz]

Indication de commutation	
Température ambiante	[°C]
Protection	
Tenue aux chocs b maxi	[g]
t	[ms]
Tenue aux vibrations fv	[Hz]
a maxi	[mm]

Boîtier	
Homologations	
Raccordement	
Schéma de branchement	

Couleurs des fils conducteurs:
 noir: BK
 brun: BN
 bleu: BU
 blanc: WH
 verte/jaune: GN/YE

raccordement aux amplificateurs NV0100, NV0200 ou d'autres amplificateurs homologué; valeurs maxi: U = 15V; I = 50 mA; P = 180mW

	normalement fermé
	8,2 DC (1 kΩ)
	5 ... 25 DC
	≤ 50
	≥ 2,2
	≤ 1
	≤ 230
	≤ 60
	720
	—
	-20 ... +70
	IP 67
	≤ 30
	11
	10 ... 55
	1
	laiton nickelé; PBTP
	PTB-N° Ex-94.C.2128
	EEx ia IIC T6
	câble PVC, 2m / 2 x 0,5mm ²

