

NE5001

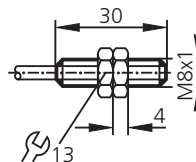
IEA2001-N

Metallgewinde M8 x 1

Anschlußleitung

Schaltabstand 1 mm [b]

bündig einbaubar



Elektrische Ausführung

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

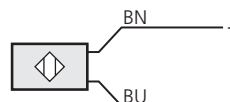
Schaltzustandsanzeige	
Umgebungstemperatur	[°C]
Schutzart	
Schockfestigkeit b max.	[g]
t	[ms]
Schwingbeanspruchung fv	[Hz]
a max.	[mm]

Gehäusewerkstoff	
Zulassungen	
Anschluß	
Anschlußschema	

Adernfarben:
braun: BN
blau: BU
schwarz: BK
weiß: WH
grün/gelb: GN/YE

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
≤ 80
≤ 80
2000
—
-20 ... +70
IP 67
≤ 30
11
10 ... 55
1
Messing vernickelt, Polypropylen
PTB-Zulassungsnummer: Ex-94.C.2128
Gerätekenzeichnung: EEx ia IIC T6
PVC-Kabel, 2m / 2 x 0,14mm ²



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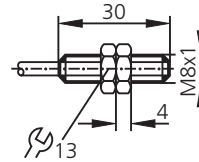
Metal thread M8 x 1

Cable

Sensing range 1 mm [f]

flush mountable

CE



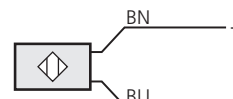
Electrical Design

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

	normally closed
	8.2 DC (1 kΩ)
	5 ... 25 DC
	≤ 50
	≥ 2.2
	≤ 1
	≤ 80
	≤ 80
	2000
	—
	-20 ... +70
	IP 67
	≤ 30
	11
	10 ... 55
	1
	nickel-plated brass, polypropylene
	PTB-Approval-No. Ex-94.C.2128 Designation: EEx ia IIC T6
	PVC cable, 2m / 2 x 0.14mm ²

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



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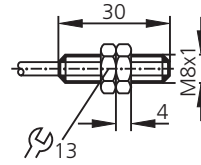
IEA2001-N

Filetage métallique M8 x 1

Raccordement par câble

Portée 1 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

Sortie	normalement fermé
Tension nominale	8,2 DC (1 kΩ)
Tension d'alimentation	5 ... 25 DC
Résistance de câble maxi	≤ 50
Consommation (commuté)	≥ 2,2
(non commuté)	≤ 1
Capacité propre	≤ 80
Inductance propre	≤ 80
Fréquence de commutation	2000
Indication de commutation	—
Température ambiante	-20 ... +70
Protection	IP 67
Tenue aux chocs b maxi	≤ 30
t	11
Tenue aux vibrations fv	10 ... 55
a maxi	1
Boîtier	laiton nickelé, polypropylène
Homologations	PTB-N° Ex-94.C.2128 EEx ia IIC T6
Raccordement	câble PVC, 2m / 2 x 0,14mm ²

