

NF5004

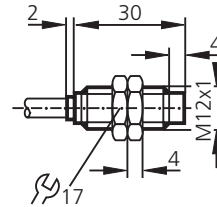
IFA2004-N

Metallgewinde M12 x 1

Anschlußleitung

Schaltabstand 4 mm [nb]

nicht bündig einbaubar



Elektrische Ausführung

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

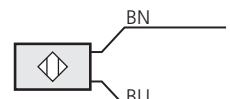
Schaltzustandsanzeige	
Umgebungstemperatur	[°C]
Schutzart	
Schockfestigkeit b max.	[g]
t	[ms]
Schwingbeanspruchung fv	[Hz]
a max.	[mm]

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	
≤ 230	
≤ 130	
1500	
—	
-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 0,34mm ²	



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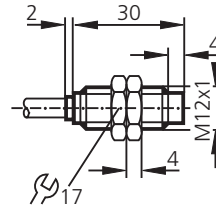
Metal thread M12 x 1

Cable

Sensing range 4 mm [nf]

non-flush mountable

CE



Electrical Design

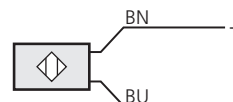
Output	
Nominal voltage	[V]
Operating voltage	[V]
Max. cable resistance	[Ω]
Current consumption (undamped)	[mA]
(damped)	[mA]
Internal capacitance	[nF]
Internal inductance	[μH]
Switching frequency	[Hz]

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	≤ 130
Switching frequency	1500
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 0.34mm ²



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

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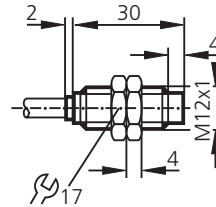
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Filetage métallique M12 x 1

Raccordement par câble

Portée 4 mm [nb]

non 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	

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
	≤ 130
	1500
	—
	-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 0,34mm ²

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

