NF5002

IFA2002-N

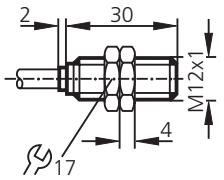
Metallgewinde M12 x 1

Anschlußleitung

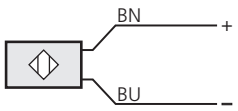
Schaltabstand 2 mm [b]

bündig einbaubar

CE



Elektrische Ausführung		Anschluß an Schaltverstärker NV0100, NV0200 oder andere zugelassene Schaltverstärker mit den Höchstwerten: U = 15V; I = 50 mA; P = 180mW
Ausgangsfunktion		Öffner
Nennspannung	[V]	8,2 DC (1 kΩ)
Anschlußspannung	[V]	5 ... 25 DC
Max. Leitungswiderstand	[Ω]	≤ 50
Stromaufnahme (leitend) (sperrend)	[mA] [mA]	≥ 2,2 ≤ 1
Eigenkapazität	[nF]	≤ 230
Eigeniduktivität	[µH]	≤ 300
Schaltfrequenz	[Hz]	1200
Schaltzustandsanzeige		—
Umgebungstemperatur	[°C]	-20 ... +70
Schutzart		IP 67
Schockfestigkeit b max. t	[g] [ms]	≤ 30 11
Schwingbeanspruchung fv a max.	[Hz] [mm]	10 ... 55 1
Gehäusewerkstoff		Messing vernickelt, PBTP
Zulassungen		PTB-Zulassungsnummer: **Ex-94.C.2128** Gerätekennzeichnung: **EEx ia IIC T6**
Anschluß		PVC-Kabel, 2m / 2 x 0,34mm²
Anschlußschema		



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

efector100®

Inductive proximity switches
Intrinsically safe

NF5002

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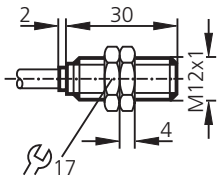
Metal thread M12 x 1

Cable

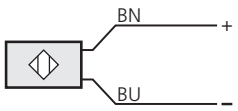
Sensing range 2 mm [f]

flush mountable

CE



Electrical Design		connection to control monitors NV0100, NV0200 or other certified amplifiers maximum values: U = 15V; I = 50 mA; P = 180mW
Output		normally closed
Nominal voltage	[V]	8.2 DC (1 kΩ)
Operating voltage	[V]	5 ... 25 DC
Max. cable resistance	[Ω]	≤ 50
Current consumption (undamped) (damped)	[mA] [mA]	≥ 2.2 ≤ 1
Internal capacitance	[nF]	≤ 230
Internal inductance	[µH]	≤ 300
Switching frequency	[Hz]	1200
Output status indication		—
Operating temperature	[°C]	-20 ... +70
Protection		IP 67
Shock resistance b max. t	[g] [ms]	≤ 30 11
Vibration resistance fv a max.	[Hz] [mm]	10 ... 55 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
Wiring		



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

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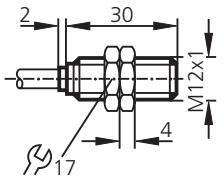
Filetage métallique M12 x 1

Raccordement par câble

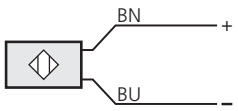
Portée 2 mm [b]

encastrable

CE



Technologie		raccordement aux amplificateurs NV0100, NV0200 ou d'autres amplificateurs homologué; valeurs maxi: U = 15V; I = 50 mA; P = 180mW
Sortie		normalement fermé
Tension nominale	[V]	8,2 DC (1 kΩ)
Tension d'alimentation	[V]	5 ... 25 DC
Résistance de câble maxi	[Ω]	≤ 50
Consommation (commuté) (non commuté)	[mA] [mA]	≥ 2,2 ≤ 1
Capacité propre	[nF]	≤ 230
Inductance propre	[µH]	≤ 300
Fréquence de commutation	[Hz]	1200
Indication de commutation		—
Température ambiante	[°C]	-20 ... +70
Protection		IP 67
Tenue aux chocs b maxi t	[g] [ms]	≤ 30 11
Tenue aux vibrations fv a maxi	[Hz] [mm]	10 ... 55 1
Boîtier		laiton nickelé, PBTP
Homologations		PTB-Nº **Ex-94.C.2128** **EEx ia IIC T6**
Raccordement		câble PVC, 2m / 2 x 0,34mm²
Schéma de branchement		



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