Dimensions



CE

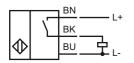
Model Number

NCN8-18GM50-E2-3G-3D-5M

Features

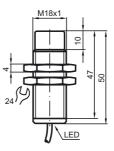
- Comfort series
- 8 mm not embeddable

Connection



A	С	С	e	s	s	o	ri	ie	2
~	•	9	-	J	•	J	ш.		

BF 18 Mounting flange, 18 mm



Technical Data G

NO beddable 18 mm 0 V 0 Hz typ. 5 % e polarity protected 0 mA 5 mA typ. 0.01 mA A ellow 70 °C (-13 158 °F) 35 °C (-40 185 °F)							
18 mm 18 mm 0 V 0 Hz typ. 5 % polarity protected 0 mA 5 mA typ. 0.01 mA A ellow 70 °C (-13 158 °F)							
18 mm 18 mm 0 V 0 Hz typ. 5 % polarity protected 0 mA 5 mA typ. 0.01 mA A ellow 70 °C (-13 158 °F)							
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0 V 0 Hz typ. 5 % e polarity protected 0 mA 5 mA typ. 0.01 mA A ellow 70 °C (-13 158 °F)							
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0 Hz typ. 5 % e polarity protected 0 mA 5 mA typ. 0.01 mA A ellow 70 °C (-13 158 °F)							
0 Hz typ. 5 % e polarity protected 0 mA 5 mA typ. 0.01 mA A ellow 70 °C (-13 158 °F)							
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ellow 70 °C (-13 158 °F)							
70 °C (-13 158 °F)							
35 °C (-40 185 °F)							
PVC , 5 m							
ss steel 1.4305 / AISI 303							
truction manuals							
Compliance with standards and directives							
947-5-2:2007 947-5-2:2007							
d by China Compulsory Certification (CCC)							
ie							

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ATEX 3G (nA) Instruction

mandenon

Device category 3G (nA) Directive conformity Standard conformity

CE symbol

Ex-identification

General

Installation, Comissioning Maintenance

Special conditions

Maximum operating current IL

Maximum operating voltage U_{Bmax}

 $\begin{array}{l} \text{Maximum permissible ambient temperature } T_{\text{Umax}} \\ \text{at } U_{\text{Bmax}} = \!\!60 \text{ V}, \text{ I}_{\text{L}} = \!\!200 \text{ mA} \\ \text{at } U_{\text{Bmax}} = \!\!60 \text{ V}, \text{ I}_{\text{L}} = \!100 \text{ mA} \\ \text{at } U_{\text{Bmax}} = \!\!30 \text{ V}, \text{ I}_{\text{L}} = \!200 \text{ mA} \\ \end{array}$ Protection from mechanical danger
Protection from UV light

Electrostatic charging

Protection of the connection cable

Manual electrical apparatus for hazardous areas

for use in hazardous areas with gas, vapour and mist 94/9/EG EN 60079-0:2006, EN 60079-15:2005 Ignition protection category "n" Use is restricted to the following stated conditions CE

🐼 II 3G Ex nA IIC T6 X

The apparatus has to be operated according to the appropriate data in the data sheet and in this instruction manual. The data stated in the data sheet are restricted by this operating instruction! The special conditions must be observed! Laws and/or regulations and standards governing the use or intended usage goal must be observed. No changes can be made to apparatus, which are operated in hazardous areas. Repairs to these apparatus are not possible. The maximum permissible load current must be restricted to the values given in the following list. High load currents and load short-circuits are not permitted. The maximum permissible operating voltage UB max is restricted to the values in the following list. Tolerances are not permissible. dependant of the load current I_L and the max. operating voltage U_{Bmax}. Information can be taken from the following list. 41 °C (105.8 °F)

41 °C (105.8 °F) 46 °C (114.8 °F) 48 °C (118.4 °F) The sensor must not be exposed to **ANY FORM** of mechanical danger. The sensor and the connection cable must be protected from damaging UV-radiation. This can be achieved when the sensor is used in internal areas. Electrostatic charges must be avoided on the mechanical housing components. Dangerous electrostatic charges on the

mechanical housing components can be avoided by incorporating these in the equipotential bonding. The connection cable must be prevented from being subjected to tension and torsional loading.

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ATEX 3D (tD)	
Instruction	Manual electrical apparatus for hazardous areas
Device category 3D	for use in hazardous areas with combustible dust
Directive conformity	94/9/EG
Standard conformity	EN 61241-0:2006, EN 61241-1:2004 Protection via housing "tD" Use is restricted to the following stated conditions
CE symbol	(6
Ex-identification	ⓑ II 3D Ex tD A22 IP67 T80℃ X
General	The apparatus has to be operated according to the appropriate data in the data sheet and in this instruction manual. The maximum surface temperature has been determined in accordance with method A without a dust layer on the equipment.
	The data stated in the data sheet are restricted by this operating instruction! The special conditions must be adhered to!
Installation, Comissioning	Laws and/or regulations and standards governing the use or intended usage goal must be observed.
Maintenance	No changes can be made to apparatus, which are operated in hazardous areas. Repairs to these apparatus are not possible.
Special conditions	
Maximum operating current IL	The maximum permissible load current must be restricted to the values given in the following list. High load currents and load short-circuits are not permitted.
Maximum operating voltage U _{Bmax}	The maximum permissible operating voltage UBmax must be restricted to the values given in the following list. Tolerances are not permitted.
Maximum permissible ambient tempera- ture	dependant of the load current I_L and the max. operating voltage $U_{Bmax.}$ Information can be taken from the following list.
at U _{Bmax} =60 V, I _L =200 mA	41 °C (105.8 °F)
at U _{Bmax} =60 V, I _L =100 mA	46 °C (114.8 °F)
at U _{Bmax} =30 V, I _L =200 mA	48 °C (118.4 °F)
Protection from mechanical danger	The sensor must not be exposed to ANY FORM of mechanical danger.
Protection from UV light	The sensor and the connection cable must be protected from damaging UV-radiation. This can be achieved when the sensor is used in internal areas.
Electrostatic charging	Electrostatic charges must be avoided on the mechanical housing components. Dangerous electrostatic charges on the mechanical housing components can be avoided by incorporating these in the equipotential bonding. Sliding contact discharges must be avoided.
Protection of the connection cable	The connection cable must be prevented from being subjected to tension and torsional loading.

