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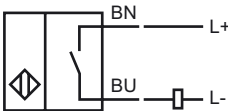
### Model Number

NCB5-22GK35-Z4

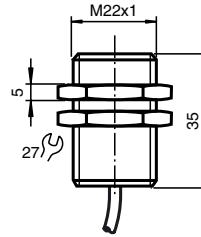
### Features

- Ignition protection class EEx m

### Connection



## Dimensions



## Technical Data

### General specifications

Switching element function	DC	NO
Rated operating distance	$s_n$	5 mm
Installation	embeddable	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 4.05 mm
Reduction factor $r_{Al}$	0.3	
Reduction factor $r_{Cu}$	0.25	
Reduction factor $r_{V2A}$	0.65	

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 500 Hz
Hysteresis	$H$	1 ... 10 typ. 5 %
Reverse polarity protected	reverse polarity protected	
Short-circuit protection	no	
Voltage drop	$U_d$	$\leq 5$ V
Operating current	$I_L$	2 ... 50 mA
Off-state current	$I_r$	max. 1 mA

### Standard conformity

Standards	IEC / EN 60947-5-2:20044 except 7.2.3.1 (impulse voltage capability) EN 50014:1997+A1+A2, EN 50028:1987
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### Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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### Mechanical specifications

Connection type	screw terminals
Core cross-section	0.34 mm <sup>2</sup>
Housing material	PC
Sensing face	PC
Protection degree	IP68

### General information

Use in the hazardous area	see instruction manuals
Category	2G

**ATEX 2G**

Instruction

**Device category 2G**

Directive conformity

Standard conformity

CE symbol

Ex-identification

EC-Type Examination Certificate

General

Installation, Commissioning

Maintenance

**Manual electrical apparatus for hazardous areas**

for use in hazardous areas with gas, vapour and mist

94/9/EG

EN 50014:1997+A1+A2, EN 50028:1987

Ignition protection category: Encapsulation

 0102

 II 2G EEx m II T4

BVS 03 ATEX E 346

The apparatus must be operated in accordance with the data provided in the data sheet and this operating instruction. In particular, the maximum rated voltage and the temperature range must be adhered to. The EC-Type Examination Certificate has to be observed.

Laws and/or regulations and standards governing the use or intended usage goal must be observed.

The proximity switch must be fixed using the nuts supplied in a mounting aperture with a light gap of at least 23 mm. It must not lie on a fixed base plate. If the installation is different the proximity switch must not be exposed to any mechanical danger.

No changes can be made to apparatus, which are operated in hazardous areas. Repairs to these apparatus are not possible.