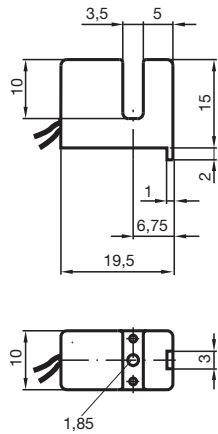


Special version  
 Calibration to B+R segment  
 disc  
 3. actual frequency

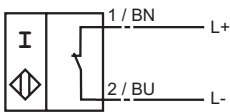


CE 0102

Switching element function	NAMUR NC
Slot width	3,5 mm
Depth of immersion (lateral)	5 ... 7 typ. 6 mm
Installation	
Nominal voltage $U_o$	8 V
Operating voltage $U_B$	5 ... 25 V
Switching frequency $f$	0 ... 3000 Hz
Current consumption	
Measuring plate not detected	$\geq 3$ mA
Measuring plate detected	$\leq 1$ mA
EMC in accordance with	EN 60947-5-2
Standards	DIN EN 60947-5-6 (NAMUR)
Ambient temperature	-25 ... 100 °C (248 ... 373 K)
Connection type	220 mm, flexible lead LIY
Core cross-section	0.14 mm <sup>2</sup>
Housing material	PBT/PPS
Protection degree	IP67
Use in the hazardous area	see instruction manuals
Category	2G

Connection\_type:

N / NO



106708\_ENG.xml

2003-03-25

## Instruction

### Device category 2G

Directive conformity

Standard conformity

CE symbol

Ex-identification

EC-Type Examination Certificate

Assigned type

Effective internal capacitance Ci

Effective internal inductance Li

General

Highest permissible ambient temperature

Installation, Commissioning

Maintenance

Special conditions

Protection from mechanical danger

## Manual electrical apparatus for hazardous areas

for use in hazardous areas with gas, vapour and mist

94/9/EG

EN 50014:1997, EN 50020:1994

Ignition protection "Intrinsic safety"

Use is restricted to the following stated conditions

CE 0102

II 2G EEx ia IIC T6

PTB 99 ATEX 2219 X

SJ3,5-...-N...

≤ 50 nF A cable length of 10 m is considered.

≤ 250 μH A cable length of 10 m is considered.

The apparatus has to be operated according to the appropriate data in the data sheet and in this instruction manual. The EU prototype test certificate must be observed. The special conditions must be adhered to!

The temperature ranges, according to temperature class, are given in the EU prototype test certificate.

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

The intrinsic safety is only assured in connection with an appropriate related apparatus and according to the proof of intrinsic safety.

No changes can be made to apparatus, which are operated in hazardous areas.

Repairs to these apparatus are not possible.

The sensor must not be mechanically damaged.