

- 1: LED
- 2: selector switch
- 3: Mounting on DIN rail



Product characteristics

Switching amplifier for Namur sensors according to 94/9/EG (ATEX)

ATEX approval

Group II, category (1) G D

2-channel

Relay outputs

Programmable output function

Short-circuit and wire monitoring

Electrical data

Electrical design

AC

Operating voltage [V]

230 AC (45...65 Hz)

Voltage tolerance [%]

-10 / +10

Power consumption [VA]

1.3

Outputs

Output function

relay (1 changeover contact per channel)

Switching frequency [Hz]

10

Contact rating

253 V AC / 2 A / cos phi > 0.7 // 40 V DC / 2 A; resistive load

Switch points

1.2...2.1 mA

Environment

Ambient temperature [°C]

-20...60

Protection

IP 20

Tests / approvals

Approval

PTB 02 ATEX 2035
TIIS TC16048

Marking of the unit

⊕ II (1) G [Ex ia] IIC
⊕ II (1) D [Ex ia] IIIC

EMC

EN 50081-2 (1993)
EN 61326-1 (2006)

MTTF [Years]

458

Safety classification

Maximum values for control circuit

Description

in protection rating intrinsic safety
[EEx ia] IIC, [EEx ia] IIB, [EEx ib] IIC, [EEx ib] IIB

Voltage [V]

10.6

Current [mA]

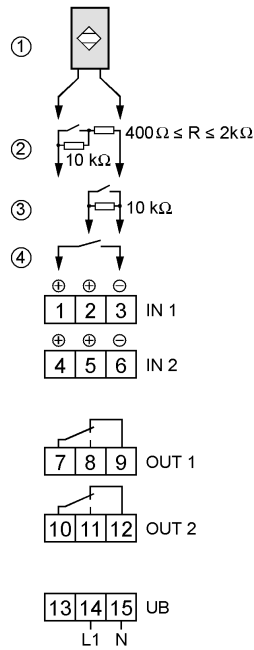
19.1

N0033A - Switching amplifier for Namur sensors according to 94/9/EG (ATEX) - eclass: 27279213 / 27-27-92-13

Power	[mW]	51			
		in protection rating intrinsic safety			
		[EEx ia] IIC	[EEx ia] IIB	[EEx ib] IIC	[EEx ib] IIB
External inductance		97 mH	390 mH	97 mH	390 mH
External capacitance		2.32 μ F	16.2 μ F	2.32 μ F	16.2 μ F
Mechanical data					
Weight	[kg]	0.206			
Displays / operating elements					
Power	LED	green			
Output status indication	LED	2 x yellow			
Function display	LED	2 x red			
Electrical connection					
Connection		terminals up to 2.5 mm ²			

Wiring

- 1: switch S3 in position I
- 2: switch S3 in position I
- 3: switch S3 in position I;
- without short-circuit monitoring
- 4: switch S3 in position II;
- without short-circuit and wire monitoring



Remarks

Remarks

Please note: The control monitor must be mounted outside the hazardous area!
Free terminals must not be used.

Pack quantity

[piece]

1