


2-channel
relay

Intrinsic safety terminals
0966 00

2-channel relay

- For installation in a safe area (or NIS area)
- Transmits to the safe (NIS) area 2 signals received from the hazardous (IS) area
- Provides galvanic isolation of the circuits between the IS area and the NIS area
- Relay can be supplied with 24-48 V DC, 110 -140 V~, 200-240 V~
- Mounting on BN 50 022 rail
- Input signal (from hazardous area) selected by jumpers
 - 2-wire NAMUR proximity switch
 - volt-free contact (switched current 8.2 V, 8 mA)
- Output signal (safe area): electromagnetic relay, 2 changeover switches
 - 6 A max. (at 24 V)
 - max: 5 A, 250 V, 10 Hz (switching frequency)
- Direct or reverse repeater selected by jumper
- Connection: 2-conductor cable, dielectric strength 500 V, cross-section 2.5 mm², distance between cables: 8 mm.
- Connection: 2.5 mm² max.

Product catalogue numbers

	Weight (Kg)	Volume (dm ³)	Cat. No.	Pack
200 - 240 V - 50/60 Hz	0.3	1	0966 40	1
110 - 140 V - 50/60 Hz	0.3	1	0966 41	1
24 - 48 V	0.2	1	0966 42	1

Installation in certain flameproof enclosures
(please consult us)

Intrinsic safety terminal

- For installation in a hazardous area (or IS area)
- Can be clipped on symmetrical and asymmetrical DIN rail
- Max. clamping capacity 4 mm²
- 6 mm pitch

Product catalogue numbers

	Weight (Kg)	Volume (dm ³)	Cat. No.	Pack
4 mm ² terminal	0.15	0.4	0966 00	10

Safe area = zone 0 ATEX IEC EC II 2 G

Ex ia IIC

TECHNICAL DATA

Zones :

- Interface between a safe area and a zone 0

Classification :

- According to CENELEC
- Conforming to ATEX directive 94/9 EC and standards 50014-20
- EC 0081 Ex II 2 G for gas Ex ia IIC
- According to IEC
- Conforming to standards IEC 60079-0/11 Ex ia IIC

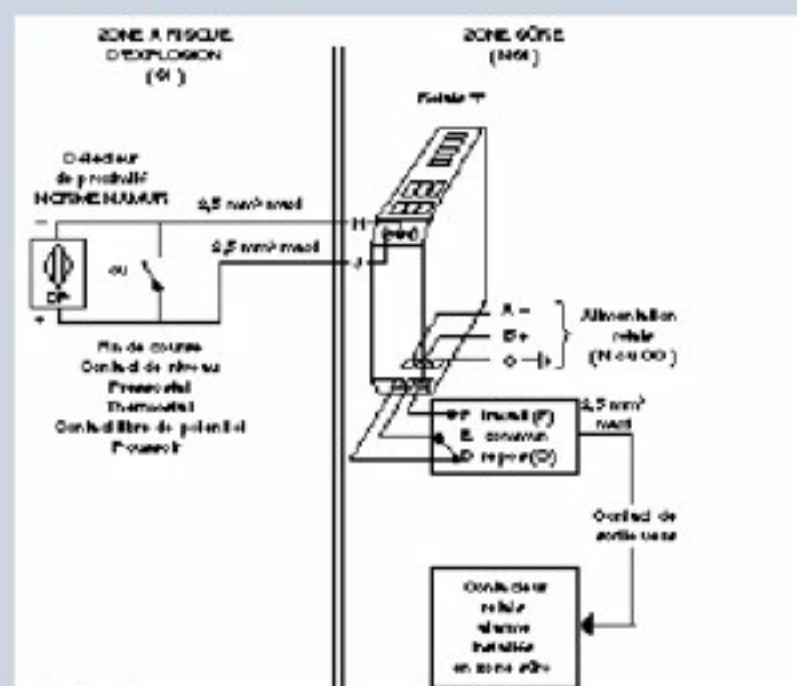
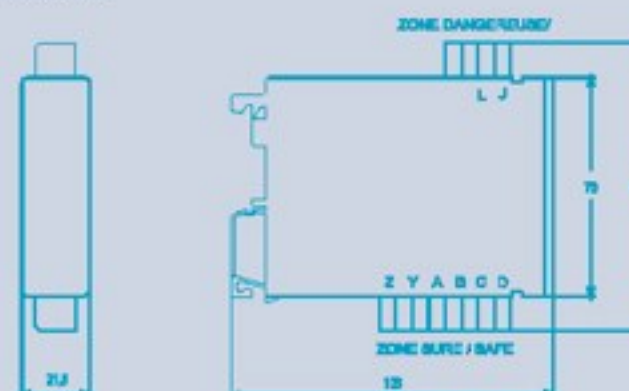
Certification :

- Approved type RSI
- CENELEC LCIE 03 ATEX 6187X
- **CE** declaration of conformity 50270

Operating temperature :

- 0 to + 60°C

Dimensions (mm) :



Installation diagram

TECHNICAL DATA

Zones :

- Zones 0, 1 and 2

Classification :

- According to CENELEC
- Conforming to ATEX directive 94/9 EC and standards 50014-20
- EC 0081 Ex EEx eI II

Certification :

- CENELEC LCIE 02 ATEX 0039U

Data sheet available on request