



Pulse isolator

9202B

- Interface for NAMUR sensors and switches
- Extended self-diagnostics and detection of cable fault
- 1 or 2 channels
- Can be supplied separately or installed on power rail, PR type 9400
- SIL 2-certified via Full Assessment



Advanced features

- Configuration and monitoring by way of detachable display front (PR 4501).
- Selection of direct or inverted function for each channel via PR 4501.
- Advanced monitoring of internal communication and stored data.
- Optional redundant supply via power rail and/ or separate supply.
- SIL 2 functionality is optional and must be activated in a menu point.

Application

- 9202B can be mounted in the safe area or in zone 2 / Cl. 1 div. 2 and receive signals from zone 0, 1, 2 and zone 20, 21, 22 including mining / Class I/II/III, Div. 1, Gr. A-G.
- Pulse isolator for transmission of signals to the safe area from NAMUR sensors and mechanical switches installed in the hazardous area.
- Monitoring of error events and cable breakage via the individual status relay and/or a collective electronic signal via the power rail.
- The 9202B has been designed, developed and certified for use in SIL 2 applications according to the requirements of IEC 61508.

Technical characteristics

- 1 green and 2 yellow/red front LEDs indicate operation status and malfunction.
- 2.6 kVAC galvanic isolation between input, output and supply.

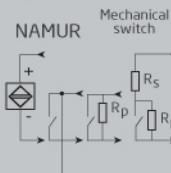
Mounting

- The devices can be mounted vertically or horizontally without distance between neighbouring units.

Applications

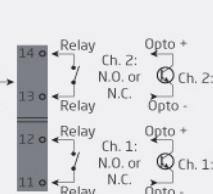
Input signals:

Channel 1:
NAMUR



Mechanical switch
Power rail

Output signals:



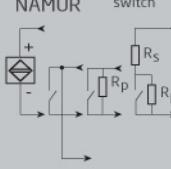
Status relay signal

Rail, +24 VDC

Rail, -24 VDC

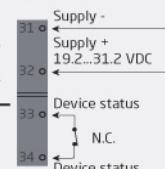
Channel 2:

NAMUR



Mechanical switch
Supply via power rail

Power connection:



Zone 0, 1, 2,
20, 21, 22, M1 &
Cl. I/II/III, div. 1
gr. A-G

Zone 2 / Cl. 1, div. 2, gr. A-D or safe area

