



## N1A/1 Non-explosive Relay Case

Certificate: ATEX



### Use:

N1A/1 and N1A/3 relay cases are intended for controlling the internal logics in automatic systems of devices operated in an environment of gassy mines with a methane explosion hazard. N1A series relay cases are made in IM2 Exd I solid enclosure.

### Description:

The relay case consists of a non-explosive case, an instrument part, where 2 relays are situated for various direct current or alternating current voltages from 24 V to 230 V.

Another alternative to the instrument part is its fitting by small C9 contactors according to the requirement for a specific connection of a customer. The relay and contactors are fitted on a DIN rail. Contacts and relay or contactor supply is connected with a terminal block part of the case by means of multiple PD-type grommets.

### Technical Parameters:

#### N1A/1 on the whole

Model	I M2 Ex d I
Ambient temperature	-10°C - +40°C
Relative humidity	maximum of 90%
Weight	approximately 13 kg

#### RP 810 3P/24 V, DC Relay

Nominal voltage $U_n$	24V DC
Working voltage range	0.8-1.1 $U_n$
Power input	1.1 W
Switching period (for information):	pick-up: max. 25 ms drop-off: max. 7 ms
Contacts: switching-on ability - for 230 V	4 A
switching-off ability - for 230 V Ac0	1 A
Mechanical robustness	50.10 <sup>6</sup> switches-on

#### RP 700 3P/110 AC Relay

Nominal voltage $U_n$	110 V AC
Working voltage range	0.8-1.1 $U_n$
Power input	1.4 W
Switching period: pick-up- switching on	20 ms
Contacts: switching-on ability - for 230 V AC	5.7 A ef.
switching-off ability - for 230 V AC	3 A
Electrical strength	2000 V, 50 Hz

**The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.**