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## GY200B

### Passive DC signal isolator Improved lightning resistant design

- test voltage 4000V input - output
- power transfer to supply a two-wire converter
- low voltage drop in the module, typ. 2,5V
- mounting 35mm DIN rail
- transfer accuracy < 0,1%

The module provides galvanic separation of standard current signals 0-20mA, 4-20mA. The power for supplying the module is obtained from the input measuring signal. The module can be used to isolate a two-wire transmitter supplied by a 4-20mA signal. Galvanic separation is achieved by means of a transformer. The input DC signal is modulated to an AC signal which, after being transferred by the transformer, is demodulated back to a DC signal. The input circuit is protected against RFI/EMF and against incorrect polarity. In principle it is a precise DC transformer. Therefore is necessary closed secondary circuit for primary current passing.

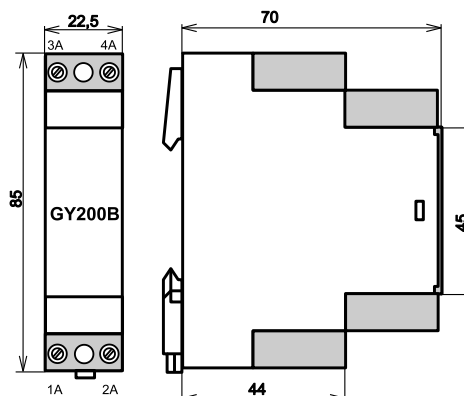
**The more resistant design in lightning protection. The module provides additional protection lightning arresters and wire resistors in inputs. Suitable for outdoor use.**



#### Specifications:

- operating temperature range:	-25...+ 70°C
- storage temperature range:	-40...+ 80°C
- power supply voltage limit:	2,5 to 30V
- input signal:	0/4-20mA
- transformer ratio:	1:1
- max. transformation error:	< 0,1% (load 250ohm)
- temperature coefficient:	< 20ppm/°C
- load error:	< 0,02% for 100 ohm
- start current	< 30uA
- test voltage input - output:	4000Vef
- time constant:	c. 1ms for load 250 ohm
- weight:	80, 120, 150 g
- ambient	standard for pollution index 2 and wiring overvoltage category III

#### Dimension chart:



#### Type tests:

Basic type test	- in compliance with ČSN EN 60770-1
EMC:	- in compliance with ČSN EN 61326-1
Safety:	- in compliance with ČSN EN 61010-1

#### Terminal connections:

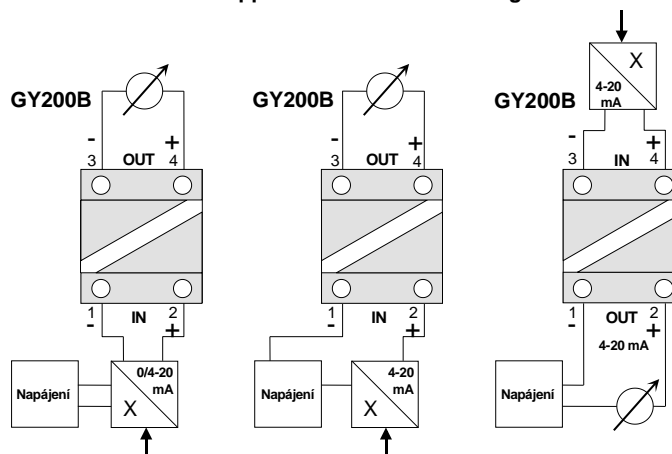
	input	output
channel A	1A, 2A	3A, 4A

#### Ordering instructions:

Your purchase order should include the following:

- converter type
- quantity (number of pieces)

#### Possible applications of the insulating module:



Likvidaci po ukončení životnosti provést odděleným sběrem.  
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