

Galvanic separation modules without ancillary power supply
with power transfer for two-wire converter
in 1, 2 or 3 channel version

- test voltage 4000V input - output
- power transfer to supply a two-wire converter
- low voltage drop in the module, typ. 2,5V
- only 7,5 mm for one channel of separation
- mouting 35mm DIN rail
- transfer accuracy < 0,1%

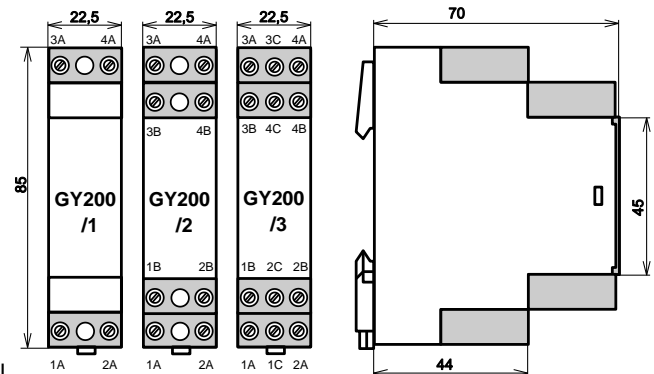


The module provides galvanic separation of standard current signals 0-20mA, 4-20mA. The power for supplying the module is obtained from the input measuring signal. The module can be used to isolate a two-wire converter supplied by a 4-20mA signal. Galvanic separation is achieved by means of a transformer. 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. There is a precise DC transformer in operation principle. Therefore is necessary closed secondary circuit for primary current passing.

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
- test voltage between channel: 2 channel 2000 VRMS
3 channel 500 VRMS
- 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:



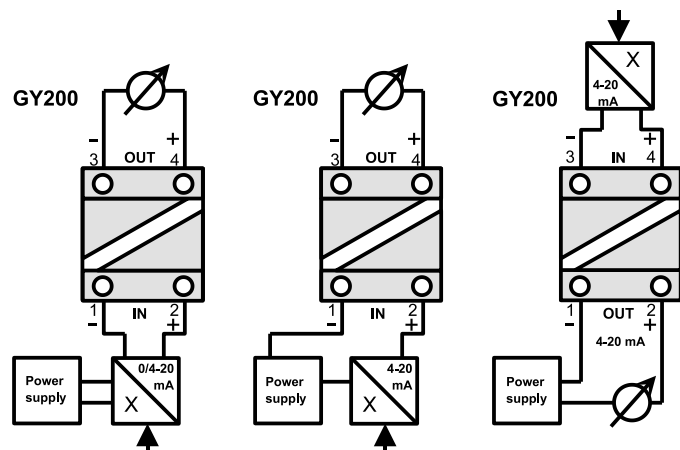
Type tests:

- 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
channel B	1B, 2B	3B, 4B
channel C	1C, 2C	3C, 4C

Possible applications of the insulating module:



Ordering instructions:

- Your purchase order should include the following:
- converter type (after slash number of channel)
 - quantity (number of pieces)

