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SIXISOL440
SIXISOL440/2

Isolating transducer
1-channel and 2-channel
Input and output circuit loop powered

- **isolation 0/4 to 20mA current signals 1:1**
- **two-wire connection for input and output signals**
- **isolation electric strength: 4000Vrms**
- **very low voltage drop across the current input: max. 2.6V**
- **DIN 35 rail-mounted design**
- **conversion error < 0,1%**
- **low cost (no auxiliary power supply built-in)**

The module provides electrical isolation of current signals 0/4-20 mA. The module does not contain any source. Input and output circuits are therefore supplied from the signal fed into the input and output terminals.
Current input and output are two-wire connected. The input circuit is supplied from a current loop, loading voltage drop of 2.6V Output circuit behaves like a variable resistor. The current from the external source is proportional to the input signal.

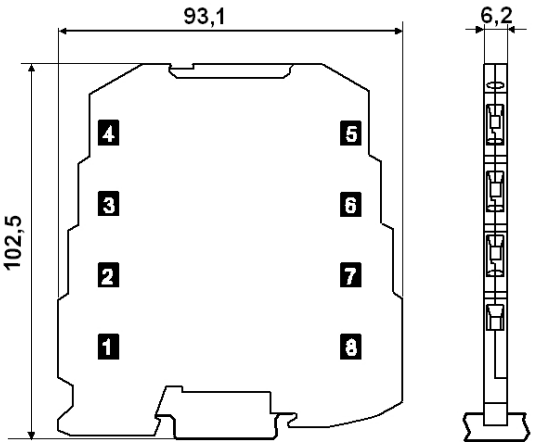
Elektrical specifications:

- operating temperature range:	-25...+ 65°C mounted with gaps > 6mm -25...+ 55°C mounted without gaps
- storage temperature range:	-40...+ 80°C
- output supply voltage:	3,5…30V DC
- voltage drop across current input:	max. 2.6V
- max. conversion error:	< 0.1%
- temperature induced error:	< 50ppm /°C
- start current consumption:	< 20uA
- test voltage:	4000Vef
- input-to-output capacitance:	10pF
- time constant:	<1ms
- weight:	90g
- ambient	standard for pollution index 2 and wiring overvoltage category III

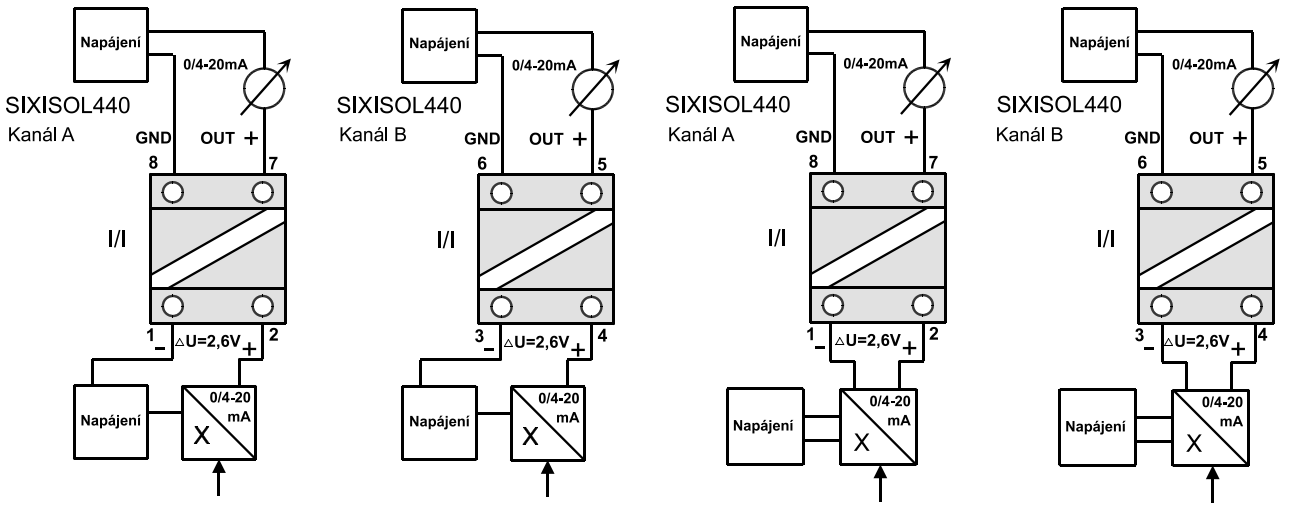
Type tests:

General type test:	to ČSN EN 60770-1
EMC:	to ČSN EN 61326-1
Safety:	assessed acc. to ČSN EN 61010-1

Dimension drawing:



Isolating module application variants:



Terminal connection:
The terminal connection is apparent from the module application block diagram.

Channel A	1A,2A ... input current (2 is +)
	7A,8A ... output current (7 is +)
Channel B	**3**B,4B ... input current (4 is +)
	5B,6B ... output current (5 is +)

Mounting:

The terminals accept conductors up to 2.5 mm2. We recommend that you use a cable with a core cross section min. 0.5 mm2.

Mechanically, the isolating modules are mounted on 35 mm DIN rail. Put the upper edge of the modul to the rail. Use screwdriver to release the latch of the fixing mechanism and push the module bottom towards the rail. After locking is mounting over. Disassembly is done inreverse.

Ordering instructions:
Your purchase order should include the following:
- converter type
- quantity (number of pieces)
- BS for the type of converter = screwless design (SIXISOL440 - BS; SIXISOL 440/2 - BS)

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