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**Transducer for measurement DC current or voltage**

- measured and galvanically isolated the input DC current or voltage signal
- allows bipolar input and output signal
- directly current measurements up to  $\pm 5A$ , voltage up to  $\pm 500V$  DC
- ability to measure absolute values and inverted signal
- isolation input-output & power supply: 4000Vef
- auxiliary power supply : 24VDC  $\pm$  25%
- conversion accuracy 0,1%
- response time: 1ms, for order up 300ms
- screw or screwless terminals
- designed for DIN 35 rail mounting

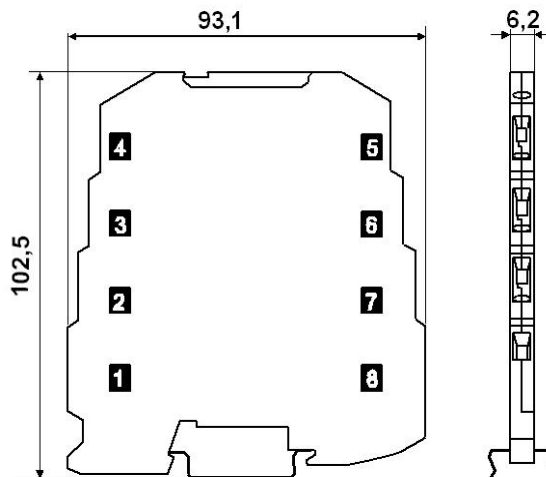
The transducer is used to measure and galvanic isolation of input signals from shunt resistors, voltage dividers and other sources of DC signal. After processing the input signal via A / D converter, the signal is optically transmitted to the output amplifier. The converter output is an analog signal is active galvanically isolated from the input and the auxiliary power supply.



**Electrical specifications:**

- operating temperature range: -25...+ 65°C mounted with gaps > 6mm  
-25...+ 55°C mounted without gaps
- storage temperature range: -40 ... +80°C
- supply voltage: 24VDC  $\pm$  25%
- consumption: max. 1,5VA
- protection: resettable thermal cut-out in primary circuit
- input signal ranges: from  $\pm 50\mu A$  to  $\pm 5A$ ,  
from  $\pm 10mV$  to  $\pm 500V$
- impedance voltage input: >100kohm/V
- current input voltage drop: 0,54V for 20mA  
about 10mV for 5A
- output: 4-20mA, 0-20mA, 0-10V,  
 $\pm 10V, \pm 20mA$  other after agreement
- maximum burden of current loop: 15V / Iout
- maximum current of voltage output: max. 10mA
- output current cut off: 30mA
- maximum transmission error: <0,1%
- linearity error: <0,05%
- temperature induced error: < 50ppm/°C
- output residual ripple: < 5mV RMS
- test voltage: 4000Vrms
- response time: 1 to 300ms
- weight: 90g
- protection housing/terminals: IP40/IP20
- working environment: pollution level2
- max.working voltage across isolation: isolation level:
- overvoltage category installation III

**Dimensional drawing:**



**Type test:**

- Basic type test: in compliance with ČSN EN 60770-1 ed.2
- EMC: in compliance with ČSN EN 61326-1
- Safety: in compliance with ČSN EN 61010-1

**Terminals:**

- 1... minus pole input signal GND
- 2... plus pole input current
- 3... plus pole input voltage
- 5,6..output signal (5 is +)
- 7,8..auxiliary power supply without polarity

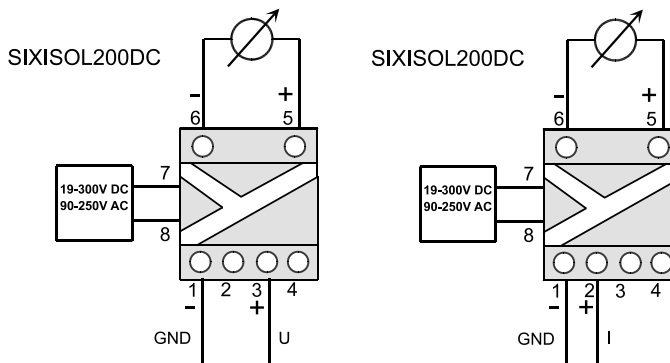
**Ordering instructions:**

- Your order should include:
- transducer type
- input range
- output range SIXISOL200/DC  $\pm 60mV/4..20mA$
- quantity ( No. of pieces )
- BS behind type means screwless terminals SIXISOL200/DCBS

**Installation:**

The terminals accept wires with 2,5mm<sup>2</sup>.  
We recommend using a cable with a minimal cross 0,5mm<sup>2</sup>.  
In the interfering environments use shielded or twisted cable.

**Application variants:**



Likvidaci po ukončení životnosti provést odděleným sběrem.  
Rawet s.r.o. je členem sdružení RETELA [www.retela.cz](http://www.retela.cz)

rev.2