KR4 - U/I
Voltage analog signal converter
0-10V for analog current signal 4-20mA
in a housing for a DIN rail

The KR4-U/I converter is used to convert the analog voltage signal 0-10V to a 4-20 mA analog current signal. The analog input can be supplied with a 0-10V voltage signal produced by any other electrical/electronic device. The signal from the analog output can control any electrical device with a 4-20 mA current input. For example, using the KR4-U/I converter, the voltage output of the PLC can be connected to an external device with a 4-20 mA current input.

Connection diagram of KR4-U/I converter

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>+24V</td>
<td>GND</td>
<td>4</td>
</tr>
<tr>
<td>GND</td>
<td>OUT 4-20mA</td>
<td>5</td>
</tr>
<tr>
<td>0-10V</td>
<td>4-20mA</td>
<td>6</td>
</tr>
</tbody>
</table>

Terminals 2 and 5 (GND) are internally connected.
Technical data KR4 - U/I.

Power supply:
- power supply voltage: 24V +/-20%
- power consumption: 3mA max + current flowing from the current output

Voltage input:
- input resistance: >= 220kΩ

Current output:
- load resistance: max 500Ω
- accuracy of analog signal processing: +/- 0.2%
- response / conversion time (10-90%): 0.1sec
- operating temperature range: 0-65 °C
- relative humidity range: 0-90% (without condensation)
- level of security: IP20
- work position: any
- housing dimensions: 17.5 x 94 x 65 mm
- assembly: in a housing for a DIN rail (TS35)