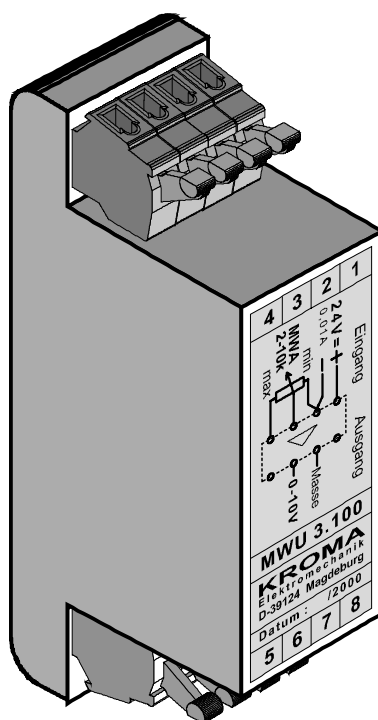


# Measuring Transformer

for direct connection to computer



## MWU 3

**KROMA**  
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# MWU 3 Measuring Transformer

## Description

KROMA MWU 3 measuring transformer serve to convert a resistance signal to a defined current or voltage signal with or without electric isolation.

The input of KROMA MWU 3 measuring transformer is especially designed to be connected to a KROMA level sensor for level control. In combination with any other KROMA limit switches and KROMA level indicators, it can be connected in parallel to a level sensor.

The KROMA MWU 3 measuring transformer is adjusted by the manufacturer to KROMA level sensors.

The KROMA MWU 3 measuring transformer is housed in a small-size enclosure designed for quick connection on 35 mm standardized bars as per DIN EN 50022.

## Special Features

- High accuracy and linearity
- With or without electric isolation
- Output 0 to 10 V or 0 to 20 mA or 4 to 20 mA
- Parallel connection to other KROMA limit switches and KROMA level indicators to one KROMA level sensor
- Quick connection on a 35 mm standardized bar as per DIN EN 50022
- Tested according to German railways' standard BN 411002/EN 50155 (approved for use on rail vehicles)

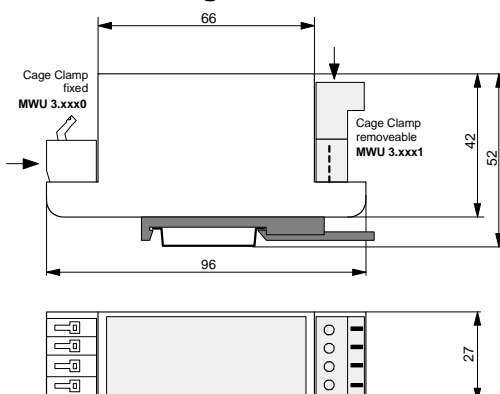
## Technical Data

Operating voltage:	24 V DC (16 V to 35 V) or 48 V DC (18 V to 64 V)
Power consumption:	Approx. 30 mA
Input resistance MWA:	2 k $\Omega$ to 10 k $\Omega$ (three-wire potentiometer)
Output:	Voltage: 0 to 10 V or 0 to 5 V (maximum load 5 mA) Current: 0 to 20 mA or 4 to 20 mA (maximum burden 600 $\Omega$ )
Accuracy:	$\pm 100 \mu\text{A}$ (at 20 mA)
Linearity deviation:	< 1%
Electric isolation:	Insulation voltage 100 V (testing voltage 1,000 V)
Degree of protection:	Housing IP 40, terminals IP 20
Ambient temperature range:	-40°C to +70°C
Storage temperature range:	-55°C to +70°C
Vibratory strength:	20 m/s <sup>2</sup> (5 to 150 Hz)
Shock resistance:	50 m/s <sup>2</sup>
Weight:	0.10 kg
Dimensions:	96x42x27 mm
Mounting:	35mm standardized bar

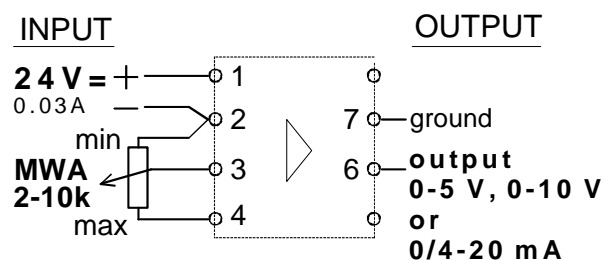
## Typical order

KROMA MWU 3 measuring transformer **MWU 3 . 1 0 0 0**  
Supply „1“=24V DC ; „3“=48V DC  
Output „0“=0 to 10V ; „1“=0 to 20mA ; „2“=4 to 20mA ; „3“=0 to 5V  
Electric isolation „0“ = without; „1“ = with  
Connection terminals „0“='Cage Clamp' fixed ; „1“=pluggable

## Outline Drawing



## Terminal Assignment



Subject to technical modifications.