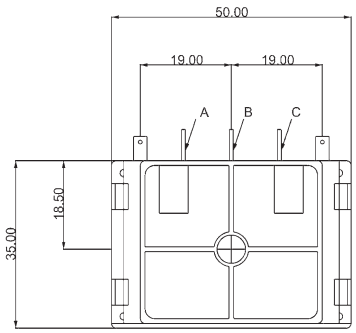
HIGH-VOLTAGE POTENTIOMETER POC 400

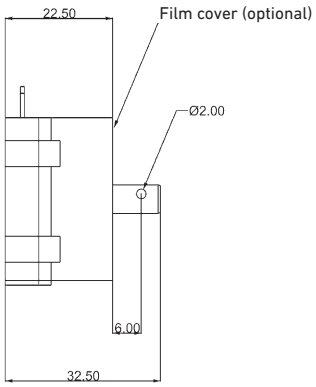
The high-voltage potentiometer POC 400 is based on a ceramic resistance carrier embedded in a well-insulating plastic housing. As a variable voltage divider, it is designed for direct high-voltage regulation.

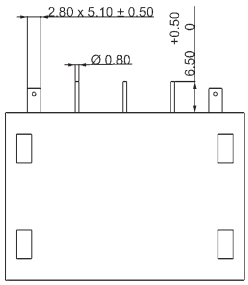
This product is available with defined resistance values.

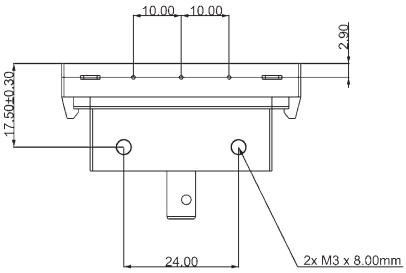
Advantages
– Long-term stability
– Very good accuracy
– Low inductance
– Easy contacting and installation

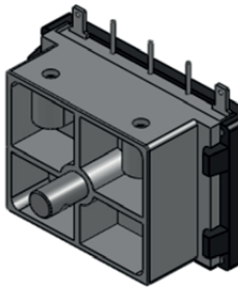
Application Examples
– High-voltage measurement and testing technology
– Electric filter
– Adjustable voltage converter
– Setpoint adjuster in the spectrometer control loop











All dimensions in mm

Electrical Data	
Resistance value	5 MΩ, 10 MΩ, 15 MΩ, 20 MΩ
Tolerance	±10 %
Temperature coefficient	±50 ppm/°C
Linearity	±4 %
Supply voltage max.	2.5 kV
Insulation voltage	> 2.5 kV
Contaxt resistance	< 15 kΩ at 15 MΩ

Mechanical Data	
Dimsensions	See drawings
Rotary Angle	305° ±5°
Max. Pressure load axis	50 N
Protection class acc. to IEC 60529	IP 60

Order information

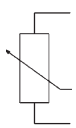
For an order, we need the following information

Series	Resistance value	Article No.
POC 400	5 MΩ	E050600002
POC 400	10 MΩ	E050600001
POC 400	15 MΩ	E050600000
POC 400	20 MΩ	E050600003

Environmental Data	
Operating Temperature	-20 °C to +70 °C

Material	
Housing	Plastic
Film cover (optional)	Polyester 80 µm

Electrical connection



A: Uin +

B: Out 5% – 95%

C: GND or Uin -

Metallux cannot picture the customer's operating and application conditions and the customer's existing environmental influences.
We therefore recommend that you carry out your own investigations into the planned use of the products under the actual operating conditions.

We continuously improve our products and also update our data sheets regularly. In this respect, there may be changes in the specification.
These changes will apply to orders received by us from the time of the update, unless otherwise agreed.

Our products comply with Directive 2011/65/EU (RoHS) including Directive 2015/863/EU and Regulation (EC) No. 1907/2006 (REACH).