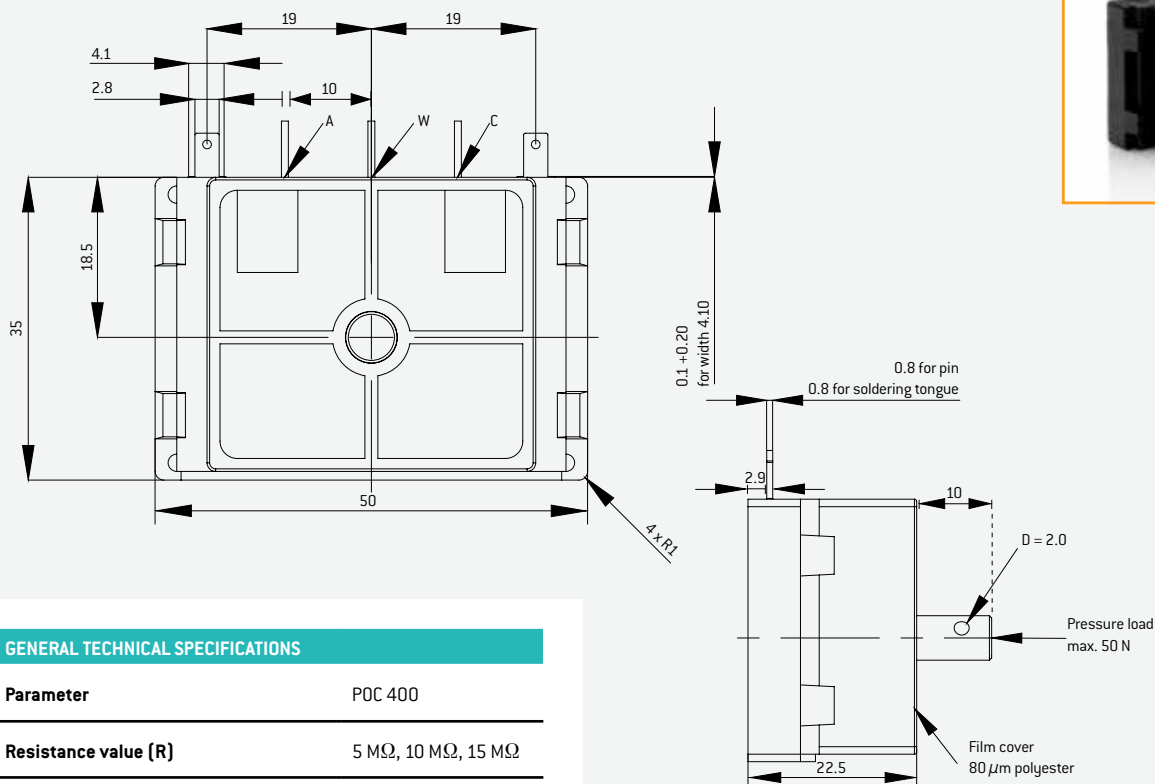


HIGH VOLTAGE POTENTIOMETERS POC 400



The POC 400 high voltage potentiometer is based on a ceramic substrate, embedded in plastic encasing with excellent insulating properties. Carefully selected high-quality materials, paired with decades of experience in the development and production of linear and rotary sensors, are the guarantee for a long service life without any function loss.



GENERAL TECHNICAL SPECIFICATIONS

Parameter	POC 400
Resistance value [R]	5 MΩ, 10 MΩ, 15 MΩ
Tolerance	± 10 %
Linearity	± 4 %
Max. operational voltage [V]	2.5 kV
Insulation voltage	>2.5 kV
Temperature coefficient absolute [TCabs.]	50 ppm/K
Temperature coefficient ratio [TCratio]	50 ppm/K @R = 1:1
Temperature range	− 20 °C to +70 °C
Contact resistance [Rc]	<15 KΩ at 15 MΩ
Rotary angle	305 ± 5°
Degree of protection	IP 60

Depending on ambient conditions, the characteristics of resistors can change. We recommend a suitability test under operational conditions.

* Other values upon request.

- Adjustable high voltage up to 2.5 kV
- Suitable for implementation in high voltage measurement and power units, spectrometers, electrical precipitators and much more.
- Simple contacting and mounting

SAMPLE ORDERS

POC 400 Type	100 M Resistance value
--------------	------------------------

NOTES ON APPLICATION

For safety reasons related to dielectric strength under high voltage, the following connector pin assignment should be observed:

PIN A: Voltage in+

PIN B: Out 5 – 95 %

PIN C: Gnd or voltage in –