

Charakteristical features

- Compact industrial design Ø36mm
- Stainless steel shaft Ø6mm
- Fastening with 3xM3 screws
- Electrical connection by soldering on leads
- Wire wound element, resolution of 0.20% FS
- Resistance value 200R, 1k
- Resistance tolerance $\pm 5\%$
- Linearity tolerance $\pm 0.5\%$
- Temperature Coeff. 50 ppm / K
- El. / Mech. Rotation angle $355^\circ \pm 3^\circ / 360^\circ$
- Max. wiper current by 1 mA
- Power rating @ 70°C 2W
- Operating temperature -40...+105°C
- Rotational life (shaft revolutions) 1.000.000
- Degree of protection IP65



COMFOPOT CFP113 - TANDEM

The **COMFOPOT** series sensors are industrial measuring potentiometers with a wire wound resistance element in a compact case of diameter 36 mm and with a 6 mm diameter shaft. Their use is mainly in the field of position sensing in engineering and automation. The cylindrical housing of the sensor is made of aluminum, the surface white anodised and on the casing fitted with soldering gold-plated pins for electrical connection. The shaft is made of stainless steel and is housed in covered ball bearings, has no mechanical stops and rotates continuously over the entire 360° range. The sensor is designed as a simple, tandem or triple. Mechanically fastened using 3xM3 screws or flange clips. It may be only connected as a voltage divider.

Soldering recommendation: use soldering iron at 350°C for 3 seconds maximum. Clean the soldered pads with Isopropyl alcohol after soldering.

Dimensions

