



The DNA of tech.



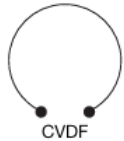
# P16 Knob Potentiometers Now Feature Tactile Feedback Option and Lifespan Upgrade to 200k Cycles

Vishay's P16 series knob potentiometers are now available with a double detent option that provides positive tactile feedback in both the counter-clockwise (CCW) and clockwise (CW) positions. The lifespan has also been upgraded to 200k cycles. Combined with the original P16 potentiometer, the series now offers a complete range of long life devices. With their full IP67 sealing, the potentiometers deliver reliable operation in extreme environmental conditions where sustainability and compact footprints are required.



**P16, PA16  
P16S, PA16S**

**P16F, PA16F**



**CVDF: One detent in the CCW position and one in the CW position**



**Long life: 200k cycles**

All standard panel potentiometers are available off the shelf from our distributors. For customers who will eventually need a customized solution, our standard device portfolio is the ideal starting point for preliminary tests.

For a customized solution, we can provide a wide range of variants. These include features such as dedicated useful electrical travel; multiple electrical laws (linear, logarithmic, and reverse logarithmic); and detent, switch, cabling, knob colors and markings, knob shape, sealed terminations (cable integrated), reinforced traceability (up to 30 years), and customer-specified wires and connectors.





The DNA of tech.®



## Key Advantages

- ✓ Compact (knob integrated)
- ✓ Ease of assembly (front-mounting)
- ✓ Waterproof and long life
- ✓ High dielectric strength
- ✓ Metallic and plastic knobs with several colors available and customized markings
- ✓ Optional on / off switch with detent at the beginning of travel
- ✓ Detent option (haptic technology)
- ✓ Professional audio version
- ✓ Customized knob shape on request
- ✓ Custom versions available

## Main Features

- ✓ Integrated knob
- ✓ Multiple knob colors and markings offered
- ✓ Metallic or plastic knob options
- ✓ Fully sealed and panel sealed
- ✓ Cycle life: 200k cycles
- ✓ Power rating of 1 W at 40 °C
- ✓ Temperature range from -40 °C to +125 °C
- ✓ High dielectric strength: up to 5000 VRMS
- ✓ Environmental friendly: lead (Pb)-free, RoHS-compliant

## Key Applications

- ✓ Industrial: air fan controls / lighting / variable frequency drives / welding equipment / remote controls
- ✓ Audio: audio headset communication / mixing tables / amplifier adjustment / speaker settings
- ✓ Medical: electric wheelchairs
- ✓ AMS: audio headsets / night vision goggles / walkie talkies

## Useful Links

- [P16, PA16 Product Page](#)
- [P16S, PA16S Product Page](#)
- [P16F, PA16F Product Page](#)
- [Knob Potentiometer Infographic](#)
- [Capabilities and Custom Options](#)

## Contact Information

**Pierre Lesur**  
Product Marketing Manager – Potentiometers and Trimmers  
[pierre.lesur@vishay.com](mailto:pierre.lesur@vishay.com)