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Fast Facts



Product Group: Vishay Sfernice, Panel Potentiometers / January 2025

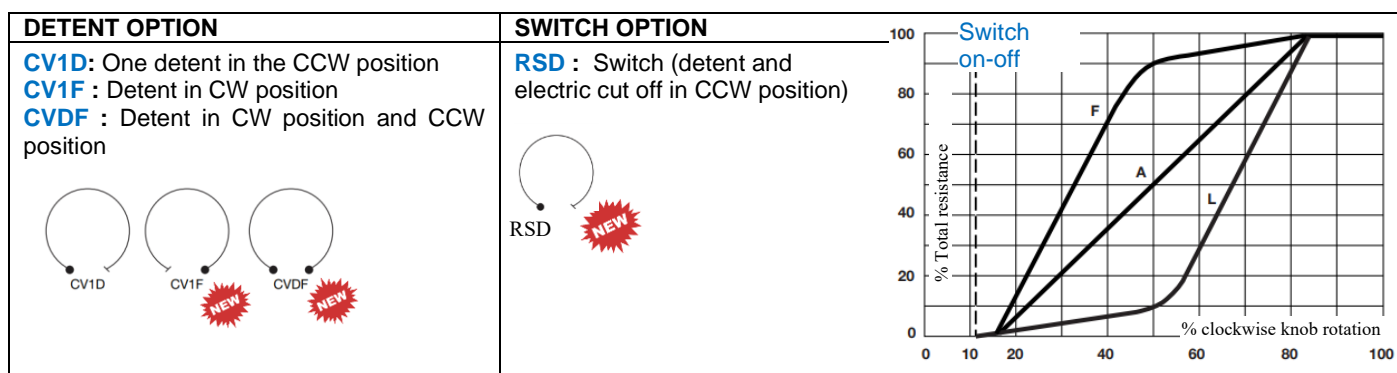
New Switch Option and Tactile Feedback Option for P16 Knob Potentiometers

Vishay's P16 series knob potentiometers are now available with some new options:

- ✓ a detent option that provides positive tactile feedback in the clockwise (CW) position, in addition to the current option in counter-clockwise (CCW) position.
- ✓ a switch option at beginning of travel.



P16, PA16 P16F, PA16F
P16S, PA16S



Combined with the original P16 potentiometer, the series offers a complete range of devices. With their full IP67 sealing, the devices deliver reliable operation in extreme environmental conditions where a compact footprint is required.

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, a wide range of variants is provided with such useful features as: special electrical travel; multiple electrical laws (linear, logarithmic, and reverse logarithmic); detent, switch, knob colors / shape / markings; sealed terminations (cable integrated); reinforced traceability (> 30 years); and customer-specified wires / connectors.



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Key Advantages

- ✓ Compact (knob integrated)
- ✓ Ease of assembly: front-mounting
- ✓ Waterproof
- ✓ 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)
- ✓ Customized knob shape on request (on metallic knob, P16F)
- ✓ 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: 50 k cycles
- ✓ Power rating of 1 W @ 40 °C (0.5 W for audio version)
- ✓ Temperature range from -40 °C to +125 °C
- ✓ High dielectric strength: 2500 V_{RMS} (P16, PA16, P16S, and PA16S); 5000 V_{RMS} (P16F and PA16F)
- ✓ Environmental friendly: lead (Pb)-free, RoHS-compliant



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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](#)
- [P16, P16S, P16F Infographic](#)
- [Capabilities and Custom Options](#)

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