



The DNA of tech.

Fast Facts



Product Group: Vishay Sfernice, Panel Potentiometers / September 2024

New Tactile Feedback Option and Complete Audio Range on P16 Knob Potentiometers

Vishay's P16 series knob potentiometers are now available with a detent option that provides positive tactile feedback in the counter-clockwise (CCW) position. Combined with the original P16 potentiometer, the series now 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.



CV1D: One detent in the CCW position



P16, PA16 P16F, PA16F
P16S, PA16S

The P16 series also offers a complete portfolio of all-audio versions — the PA16, PA16S, and PA16F — which use a conductive plastic resistive element designed for audio applications.

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); detent, switch, cabling, knob colors, and other markings; sealed terminations (cable integrated); reinforced traceability (up to 30 years); and customer-specified wires and connectors.



© 2024 VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE PRODUCTS DESCRIBED HEREIN AND THIS DOCUMENT ARE SUBJECT TO SPECIFIC DISCLAIMERS, SET FORTH AT www.vishay.com/doc291000



The DNA of tech.



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 (P16S)
- ✓ 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 VRMS (P16, PA16, P16S, and PA16S); 5000 VRMS (P16F and PA16F)

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](#)
- [P16 Infographic](#)
- [P16F, PA16F Product Page](#)
- [P16F Infographic](#)
- [Capabilities and Custom Options](#)



The DNA of tech.



Contact Information

Pierre Lesur
Product Marketing Manager – Potentiometers and Trimmers
pierre.lesur@vishay.com