

5N Type Side-operational Light Touch Switches

Type: **EVQPF**



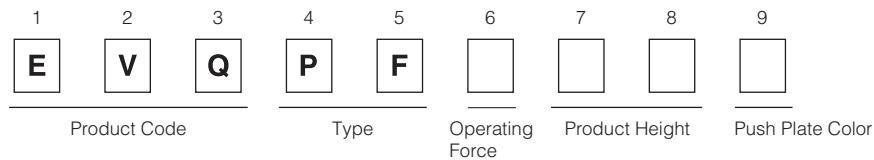
■ Features

- Wealth of product types: Horizontal type, snap-in terminals, etc.
- Can be automatically dip-soldered: Integral molding of the terminals and main body prevents the escape of flux.

■ Recommended Applications

- Operating switches for other electronic equipment

■ Explanation of Part Numbers




■ Specifications

| Type | | Snap action/Push-on type SPST | |
|-------------------------------|---------------------------------|--|--------------------|
| Electrical | Circuit Diagram | | |
| | Rating | 10 μA 2 V DC to 20 mA 15 V DC (Resistive load) | |
| | Contact Resistance | 50 mΩ max. | |
| | Insulation Resistance | 50 MΩ min. (at 100 V DC) | |
| | Dielectric Withstanding Voltage | 250 V AC for 1 minute | |
| Mechanical | Bouncing | 3 ms max. (ON) 8 ms max. (OFF) | |
| | Operating Force | 1.0 N±0.4 N 1.3 N±0.4 N 1.6 N±0.5 N | 2.6 N±0.6 N |
| Endurance | Travel | 0.25 mm±0.10 mm | |
| | Operating Life | 100,000 cycles min.* | 50,000 cycles min. |
| Operating Temperature | | -20 °C to +70 °C | |
| Storage Temperature | | -40 °C to +85 °C (Bulk) | |
| Minimum Quantity/Packing Unit | | 500 pcs. Polyethylene Bag (Bulk) | |
| Quantity/Carton | | 10,000 pcs. | |

*1 million cycles also available, consult our salesmen.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ Dimensions in mm (not to scale)

| EVQPF | General dimension tolerance : ± 0.3 () dimensions are reference dimensions. | | | |
|---|--|--------------------|------------------|----------------|
|  | <div style="display: flex; justify-content: space-around;"> <div data-bbox="510 414 758 761"> </div> <div data-bbox="837 425 1109 750"> </div> <div data-bbox="1189 459 1380 694"> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div data-bbox="526 851 805 1030"> <p data-bbox="510 1041 798 1108">PWB mounting hole for reference (PWB thickness=1.6 mm) View from mounting side</p> </div> <div data-bbox="901 896 1029 1086"> <p data-bbox="901 1064 1029 1086">Circuit diagram</p> </div> </div> | | | |
| Part Numbers | Operating Force | ℓ=Push Plate Place | Push Plate Color | Operating Life |
| EVQPF003M | 1.0 N | 3.15 mm | White | 100,000 cycles |
| EVQPF004R | 1.0 N | 3.85 mm | Red | 100,000 cycles |
| EVQPF006K | 1.0 N | 5.85 mm | Black | 100,000 cycles |
| EVQPF008K | 1.0 N | 8.35 mm | Black | 100,000 cycles |
| EVQPF103M | 1.3 N | 3.15 mm | White | 100,000 cycles |
| EVQPF104R | 1.3 N | 3.85 mm | Red | 100,000 cycles |
| EVQPF106K | 1.3 N | 5.85 mm | Black | 100,000 cycles |
| EVQPF108K | 1.3 N | 8.35 mm | Black | 100,000 cycles |
| EVQPF203M | 1.6 N | 3.15 mm | White | 100,000 cycles |
| EVQPF204R | 1.6 N | 3.85 mm | Red | 100,000 cycles |
| EVQPF206K | 1.6 N | 5.85 mm | Black | 100,000 cycles |
| EVQPF208K | 1.6 N | 8.35 mm | Black | 100,000 cycles |
| EVQPF303M | 2.6 N | 3.15 mm | White | 50,000 cycles |
| EVQPF304R | 2.6 N | 3.85 mm | Red | 50,000 cycles |
| EVQPF306K | 2.6 N | 5.85 mm | Black | 50,000 cycles |
| EVQPF308K | 2.6 N | 8.35 mm | Black | 50,000 cycles |

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