

Using the Switch with Micro-Loads

Using general-load switches for micro-load switching may cause contact failure.

To prevent this, we offer many models featuring a "crossbar contact type" that is ideally suited for micro-load applications.

This type utilizes gold-alloy, trapezoidal bar contacts crossed in a shape designed to deliver optimal performance and high reliability for micro-load switching.

As a reference, the figure below shows the suitable voltage and current ranges for general silver, gold, and crossbar contacts.

When referring to the figure, please note the following:

Operating Conditions: The actual usable range may vary depending on the specific switch model, operating conditions, ambient environment, and load type.

Overlapping Ranges: Although the application ranges overlap, the upper boundary of each range can be expanded depending on the application.

Contact Reliability Level: Acceptable operating ranges generally depend on the required level of contact reliability.

For the EH Series, we provide high-reliability models specifically engineered for micro-load applications.

