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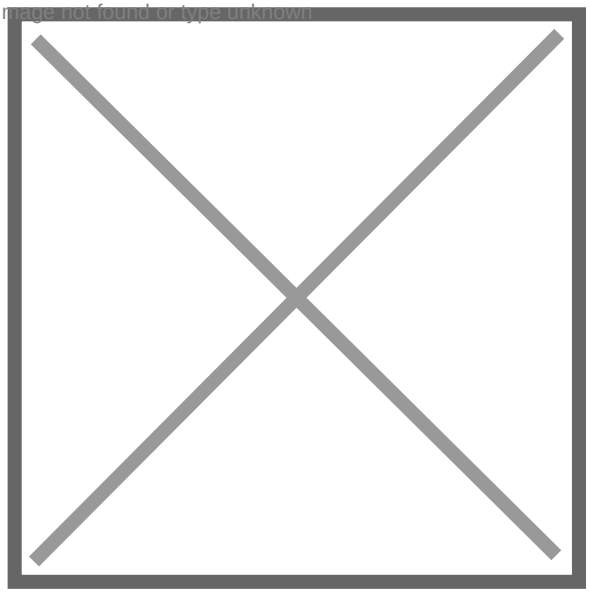
Product Name :

Knife Switch – Single Pole, Single Throw

Product Code :

SLE/PHY/68

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Description :

Knife Switch – Single Pole, Single Throw (Product Code: SLE/PHY/68) is a knife switch on a plastic base used to open and close a single circuit in electricity practicals, with an exposed blade that shows at a glance whether the circuit is made or broken. Its poles and blade are brass togive good electrical connections, which makes it a dependable control in an Ohm law experimentkit. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Switch type	Knife switch, single pole, single throw (SPST)
Base	Plastic
Poles and blade	Brass, to ensure good electrical connections
Application	Electricity circuits
Product code	SLE/PHY/68
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is a Single Pole Knife Switch Used For?

A single-pole, single-throw switch has one job: connect or disconnect one line of a circuit. The knife pattern is popular in teaching because the moving blade is visible, so students see the physical gap that stops the current, which links the circuit symbol for a switch to the real object. It is the usual choice for switching the supply in resistance, Ohm's law and heating-effect experiments.

Open the switch between readings so resistors and wires do not heat up and change the results. When closing, push the blade fully into the jaw so the brass parts meet firmly; a half-seated blade gives a poor contact and flickering meter readings. Operate the switch by its handle and keep fingers clear of the exposed metal when the circuit is live.

What to Specify When Ordering

- Switch pattern: this is single pole, single throw; double-pole knife switches are listed separately.
- Quantity per lab, typically one per circuit board or student pair.
- Any leads, meters or holders to be quoted with the switches.

Supplier

ScienceLab is the trade name of Jain Scientific Equipments Private Limited, which supplies this knife switch from Ambala, Haryana, India. The single-pole and double-pole knife switches in the range are sourced and quoted by the same company, so a lab can standardise on one style and order replacements from us directly. The ScienceLab profile has more about the company.

Rela

Items