

Introducing

# Hager's Isolator Switch

Independently tested and certified to offer **strong antibacterial and antiviral properties**

**Closed (I) and open (O) positions clearly marked** required as part of the isolation conformity **BS EN 60669-2-4**

**Twin earthed**

Tested by Eurofins UK to **BS EN 60669-2-4** to fully comply as a isolation switch

**All terminals face the same direction with back out captive screws and clear wire type markings** for intuitive and safe installation

**Isolator symbol** required as part of the isolation conformity **BS EN 60669-2-4**

**Moulded lead-ins** help guide driver blade to the screw head

**Wire end stops** provide added security of connection

**:hager**

# Isolator Switch FAQs

**Q: Where would I use an Isolator switch?**

If the device being installed requires an isolator switch to be fitted, then it is required by the wiring regulations BS 7671 that the switch conforms to the standard BS EN 60669-2-4. The new Sollysta 20A DP Switch with Isolation function has been tested and conforms to this standard, making it a true isolator. Typical applications include but are not limited to immersion heaters, extractor fans, dishwashers, and washing machines.

**Q: When would I use an isolator switch?**

BS 7671 requires that devices for isolation shall be of a type for which the isolation function is explicitly recognized by the relevant product standard or as identified in Table 537.4 of the Wiring Regulations BS 7671. Household or similar fixed electrical devices would normally require a switch with isolation function.

**Q: How does an isolator switch work?**

An isolator switch will completely isolate the conductive parts that takes power from the switch to the equipment it is connected to when put in the off (open) position. An isolator switch will undergo a rigours series of tests including, short circuit and test voltage as required to be classified as an isolator.

**Q. How can I identify a switch with an Isolating Function?**

Isolating switches conforming to BS EN 60669-2-4 must be marked with the symbols for isolating function and for the closed (on) and open (off) position. These markings must be visible from the front after installation. The isolation function symbol may be included in a wiring diagram or combined with symbols of other functions, provided that it is visible from the front. It is not mandatory but Sollysta have also marked the rear of the switch with the relevant standard BS EN 60669-2-4.

**Q: Why would I use an Isolator switch as opposed to a functional 20A Double Pole switch?**

Due to the onerous testing required for BS EN 60669-2-9 the isolation function is used for reasons of safety. Using BS EN 60669-2-4 helps with dielectric strength tests and ensures performance, safety and quality assurance.

**Q:What kind of testing has gone into the 20A Double Pole isolator switch?**

The switches have been independently tested and certified by Eurofins London to BS EN 60669-2-4.

- 1.Short-circuit withstanding capability according to § 18.101.1 of EN 60669-2-4:2005. Using the Hager MTN120 6kA B curve MCB in accordance with values in table 102 of EN 60669-2-4 : 2005.
- 2.Application of 3000V during 60 seconds.
- 3.Switch on and off at rated current and at rated voltage.
- 4.An additional tripping test on MCB's MTN120 according to Annex ZA 8.2.3.2 a) of BS EN 61439-3.