

Title: Arc flash switchgear for sale in UK

Generated on: 2026-02-01 22:04:44

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What is switchgear arc protection?

Switchgear arc protection mainly involves the use of vents and duct system to carry away the super-hot gases and high pressures of an arc flash away from the switchgear enclosure and to a safe location. This can be in the area above the switchgear or outside the switchgear room.

What happens if a switchgear arc flashes?

A switchgear arc can cause an explosion that can damage equipment, injure or kill workers, and start fires. This makes it a serious hazard in the switchgear room. To mitigate the risks associated with arc flash events, many electricians choose to install arc resistant switchgear.

How does an arc flash switchgear work?

Generally, this type of switchgear will come with flaps that open under the intense pressure of arcing energy. The flaps allow the heated gases of an arc flash and the pressure to safely vent out of the enclosure and away from the operator. When venting arc flash gases outside of the switchgear room is necessary, extra duct work is used.

Are arc flash accidents rare?

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The following is a list of UK legislation that is pertinent to arc flash risk management. This is not exhaustive but provides a basis for discussion with comments shown in bulleted italics.

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