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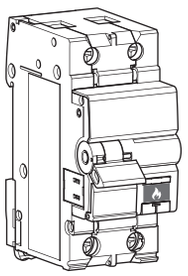

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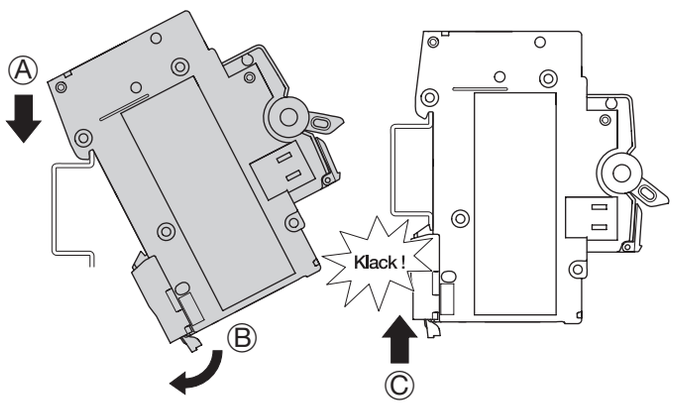
EN

The fire protection device ARCxxxU is a single device consisting of a miniature circuit breaker (MCB) as per BS EN 60898-1 with integrated AFD unit.
The device limits the risk of a fire in the Final Electrical circuits of a fixed installation due to arcing fault currents, which under certain conditions present a fire ignition risk due to persistent arcs.

BS EN 62606
BS EN 60898-1

ARCxxxU

Installation



IMPORTANT:

- Assembly, connection and maintenance of the device may only be carried out by a skilled person*.
- The device must be checked for any external damage before assembly. If damage or any other defect is observed, the device may not be assembled.
- On final circuits where the risks due to disconnection of supply are more serious/ significant than the risk from fire, this device should not be installed.
- National regulations, safety codes and installation standards (e.g. current edition of BS 7671) must be observed.

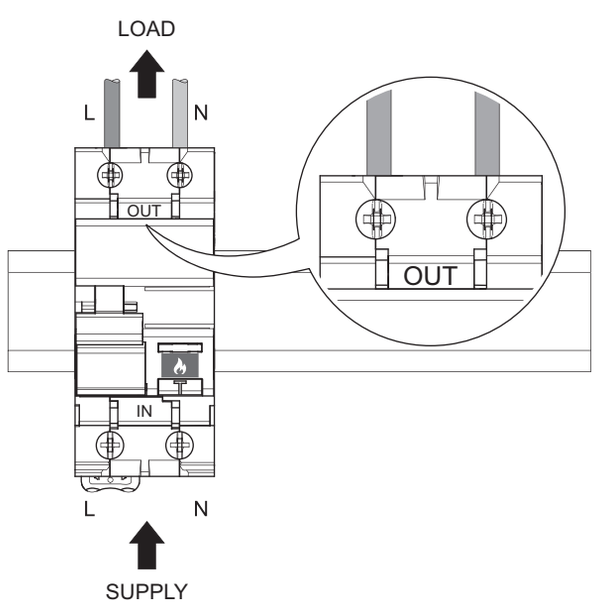
Connection

WARNING:
Installation and assembly may only be carried out by a skilled person* in accordance with the relevant national installation requirements. Danger to life and risk of serious injury. Before beginning work, disconnect the system and device from the voltage supply.

WARNING:
Damage risks:
This device must not be subject to a 500V insulation resistance test.
Failure to comply with this instruction will result in damage to the device.

IMPORTANT NOTE:
The electrical load must be connected to the output (OUT) of the device.
If the connection is made the other way round, the circuit is not protected by the Arc Fault Detection Device.

	16 mm²
	25 mm²
	13 mm
	PZ2
	2 Nm

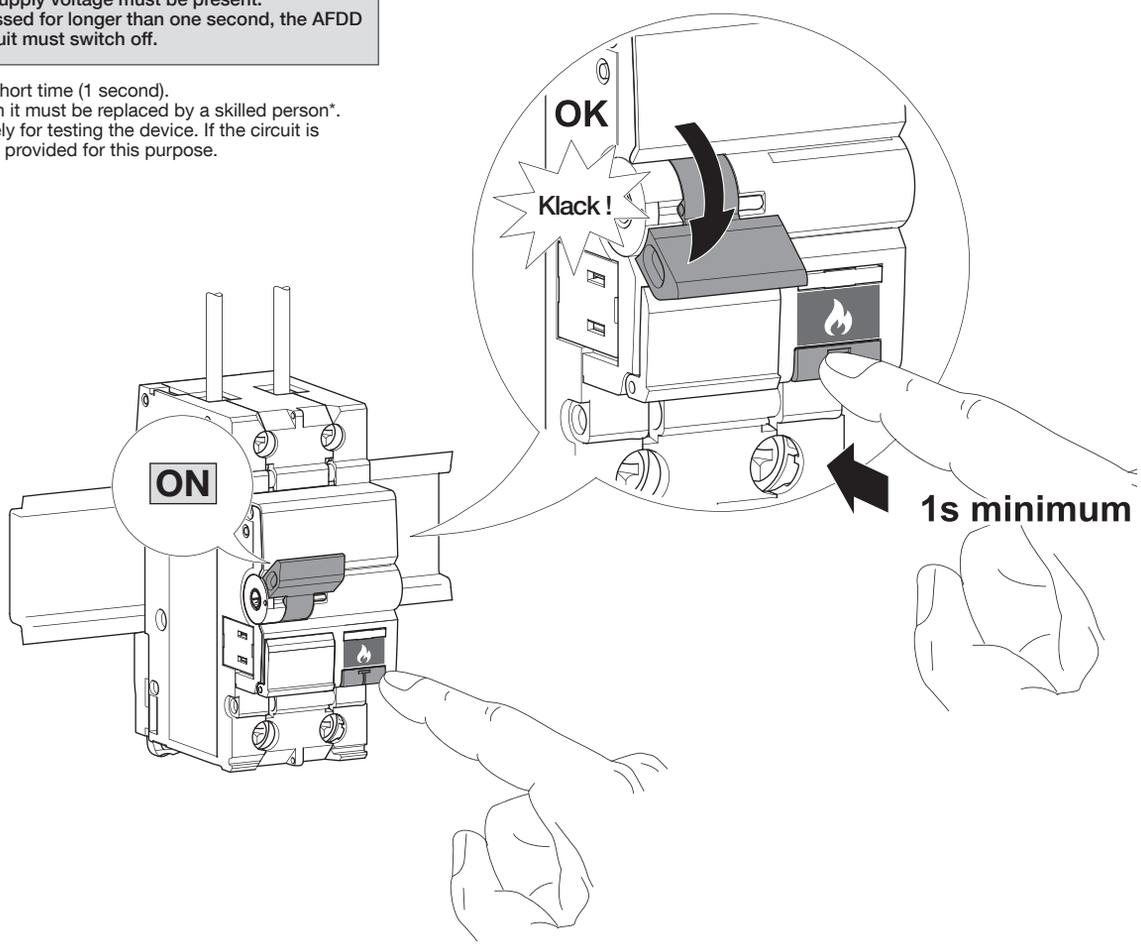


	16 mm²
	25 mm²
	13 mm
	PZ2
	2 Nm

TESTING This guide is to be given to the end customer for future tests, who should keep it in a safe place.

The AFDD function must be tested after installation, by pressing the test button. The supply voltage must be present.
If test button T is pressed for longer than one second, the AFDD must trip, i.e. the circuit must switch off.

1.The device must trip within a short time (1 second).
2.If the device does not trip, then it must be replaced by a skilled person*.
3.Test button T is used exclusively for testing the device. If the circuit is interrupted, operate the toggle provided for this purpose.



*A person with appropriate technical training, knowledge and experience, as well as knowledge of the relevant standards, in order to identify and avoid risks which can arise from electricity.

Insulation test in circuits with AFDD:
This device must not be subject to an insulation resistance test, please disconnect device before testing circuit.
Failure to comply with this instruction will result in damage to the device.

Loop impedance measurement in circuits with AFDD:
If a loop impedance measurement is carried out on an output circuit having an AFDD, the test current should not exceed 300 mA.
The AFDD has an electronic differential current measurement which also increases the fire protection in addition to the requirements of the product standard.