

This document must be retained for future reference.

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation. All connections should be inspected periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS

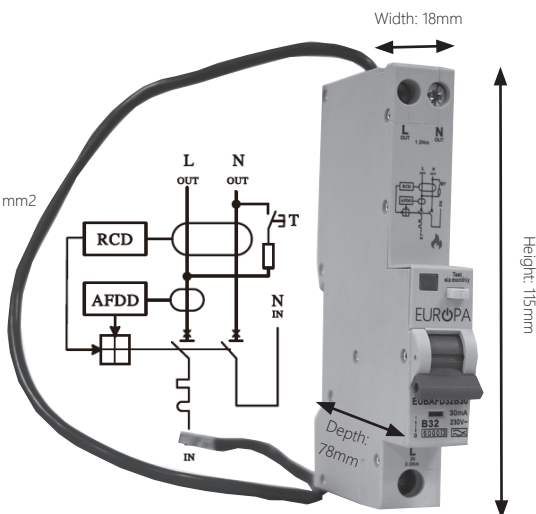


Arc Fault Detection Devices with Integrated Type A RCBO | AFDD

- BS EN 62606, BS EN 61009-1
- Rated Voltage U_e 230V AC | Rated Frequency 50/60Hz
- Rated Tripping Current $I_{\Delta n}$ 30mA
- Rated Non-Tripping Current $I_{\Delta no}$ 0.5I Δn
- Sensitivity Class 3
- Rated peak withstand voltage U_{imp} 4kV
- Electrical Endurance $\geq 4,000$ switching operations
- Mechanical Endurance $\geq 10,000$ switching operations
- Recommended Terminal Torque (In) 2.0 Nm | (Out) 1.2 Nm
- Terminal Capacity (In) 16 mm² | Terminal Capacity (Out) 10 mm²
- Operating Temperature -25°C to +40°C

Part Number	B Curve Description
EUBAFD6B30	6kA 6A 30mA B Curve Type A
EUBAFD10B30	6kA 10A 30mA B Curve Type A
EUBAFD16B30	6kA 16A 30mA B Curve Type A
EUBAFD20B30	6kA 20A 30mA B Curve Type A
EUBAFD25B30	6kA 25A 30mA B Curve Type A
EUBAFD32B30	6kA 32A 30mA B Curve Type A
EUBAFD40B30	6kA 40A 30mA B Curve Type A

Part Number	C Curve Description
EUBAFD6C30	6kA 6A 30mA C Curve Type A
EUBAFD10C30	6kA 10A 30mA C Curve Type A
EUBAFD16C30	6kA 16A 30mA C Curve Type A
EUBAFD20C30	6kA 20A 30mA C Curve Type A
EUBAFD25C30	6kA 25A 30mA C Curve Type A
EUBAFD32C30	6kA 32A 30mA C Curve Type A
EUBAFD40C30	6kA 40A 30mA C Curve Type A




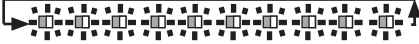
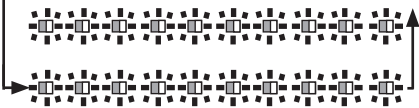

ATTENTION: Disconnect both line and neutral and flying lead before carrying out insulation test.

- ① Detects electrical arcing faults that MCBs, RCCBs and RCBOs cannot detect.
- ① Type A device suitable for use on AC and pulsating DC circuits.

AFDD Operating Criteria | According to BS EN 62606

Series Arcing Fault		Parallel Arcing Fault	
Load current (A)	Max allowed tripping time (s)	Test current (A)	Max allowed number of arcing half-waves within 0.5s(N)
2.5	1	75	12
5	0.5	100	10
10	0.25	150	8
16	0.15	200	8
32	0.12	300	8
40	0.12	500	8

AFDD LED Indicator | After Tripping

LED indication after tripping and re-closing	Description of fault cause
<p>Steady red light</p> 	RCBO overcurrent fault or Residual current fault
<p>1 blink / sec (total 10 sec)</p> 	Series arcing fault or Parallel arcing fault
<p>2 blinks / sec (total 10 sec)</p> 	Overvoltage fault ($U > 275V_{ac}$)
<p>5 blinks / sec (continuous blinking)</p> 	AFDD internal self-test fault

Fault Protection

Fault type	Detected by integrated
Short circuit	RCBO
Overload	RCBO
Residual current	RCBO
Series arcing fault	AFD
Parallel arcing fault	AFD
Parallel arcing fault to PE	RCBO