

**Product Code:**  
AFR16C1

**Product Range:**  
AFDDs,Circuit Protective Devices

**Issue Date:**  
09/02/2024

**Description:**

16A C Curve, 30mA Type A, Double Pole Combined AFDD / RCBO Bidirectional



**Features:**

- Series and parallel arc fault detection
- Combined arc fault detection, short circuit, overload and earth leakage detection
- Bidirectional
- 30 mA Type A earth leakage detection
- B & C curve thermal tripping characteristics
- Durable thermoplastic moulding
- Fits existing busbar system
- Self testing

**Technical:**

<b>Height</b>	116mm
<b>Width</b>	17.5mm
<b>Depth</b>	66.8mm
<b>Short circuit rating</b>	6kA
<b>Terminal cable capacity</b>	10mm <sup>2</sup> Out
<b>Number of poles</b>	2 Pole
<b>Mounting</b>	Din Rail
<b>Guarantee</b>	10 Years
<b>Frequency</b>	50 Hz
<b>Current rating</b>	16A
<b>Rated operated voltage</b>	230 v
<b>Incoming terminal capacity</b>	25mm <sup>2</sup>
<b>Number of modules</b>	1
<b>Packaging types</b>	Each
<b>Product range</b>	Arc Fault Detection Devices
<b>Standards</b>	BS EN 62606 & BS EN 61009
<b>Operating characteristics</b>	C Curve
<b>Material</b>	PBT Case
<b>Compliance</b>	Electromagnetic Compatibility Directive 2014/30/EU
<b>Intended use</b>	Overload and short circuit and earth leakage protection of 230 V circuits with integrated parallel and serial arc fault disconnection.
<b>Manufacturer</b>	Proteus Switchgear. Pipers Road. Redditch. Worcestershire. B98 0HU. United Kingdom.
<b>Bi directional</b>	Yes

# DECLARATION of CONFORMITY

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AFR16C1

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AFDD / RCBO Bidirectional



**Intended Use:**

Overload and short circuit and earth leakage protection of 230 V circuits with integrated parallel and serial arc fault disconnection.

**Manufacturer:**

Proteus Switchgear. Pipers Road. Redditch.  
Worcestershire. B98 0HU. United Kingdom.

**Ratings & Characteristics:**

Voltage Rating	230 v
Current Rating	16A
Frequency	50 Hz

**Compliance:**

Electromagnetic Compatibility Directive  
2014/30/EU, Low Voltage Directive 2014/35/EU,  
Restriction of the use of certain hazardous  
substances directive 2011/65/EU, Waste Electrical  
and Electronic Equipment directive 2012/19/EU

**Designated Standards:**

BS EN 62606 & BS EN 61009



I declare that the object of the declaration above is in conformity with the relevant harmonization legislation and national standards.

Signed for and on behalf of Proteus Switchgear



Kieran Jenkins.  
Senior Works Manager.

**Date:**  
09/02/2024