

Bidirectional RCBO- 6kA 6A – 32A B/C Curve - Type A

For the overcurrent and residual current protection of final circuits from 6A- 32A. A single module, 2P (switched neutral) bidirectional RCBO to BS EN 61009-1.

The ADB9/ADC9 range of RCBO's aids compliance with BS 7671 (latest edition), where additional protection by means of a 30mA RCD is required.

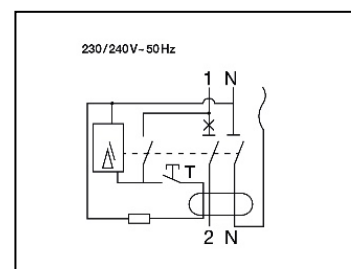
2P switched neutral design and bidirectional functionality, is well adapted for micro-generation applications, where a type A RCBO may be required.

32A In rating verified by test, for continuous loading at 32A when used with 10mm² cable in Hager surface mounted switch disconnecter and high integrity consumer units e.g 7.4 kW EV charger circuits (RDF = 1.0)

Insulation resistance testing (IR test) can be carried out at 500V DC on the load side terminals with the device in the off position, without the need to disconnect the Line or Neutral conductors.



ADB920R



Description	B Curve	C Curve	Neutral lead length
1M 2P 6kA - 6A 30mA Type A	ADB906R	ADC906R	500mm (minimum)
1M 2P 6kA - 10A 30mA Type A	ADB910R	ADC910R	500mm (minimum)
1M 2P 6kA - 16A 30mA Type A	ADB916R	ADC916R	500mm (minimum)
1M 2P 6kA - 20A 30mA Type A	ADB920R	ADC920R	500mm (minimum)
1M 2P 6kA - 25A 30mA Type A	ADB925R	ADC925R	500mm (minimum)
1M 2P 6kA - 32A 30mA Type A	ADB932R	ADC932R	500mm (minimum)

Bidirectional RCBO 1M 1P+N 6kA B/C 30mA type A

Technical Specifications

Architecture

Type of pole	1P+N
Curve	B/C

Safety

Residual current type	A
Ingress Protection (IP) class	IP20

Main electrical attributes

Rated short-circuit breaking capacity I _{cn} AC according to IEC 60898-1	6 kA
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Voltage

Rated insulation voltage U _i	440 V
Rated impulse withstand voltage U _{imp}	4000 V
Max. operating voltage	264 V
Rated operational voltage U _e	230 - 240 V
Overvoltage category according to IEC 60947-1	3

Power

Total power loss under I _n	B Curve 11.68W / C Curve 1248W
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Frequency

Frequency	50 - 50 Hz
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Use conditions

Max. Altitude	2000 m
Class of energy limitation I ² t	3

Endurance

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

Connection

Flexible conductors	1 - 10 mm ²
Solid conductors	1 - 16 mm ²

Capacity

Number of modules	1
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Installation, mounting

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	Screw terminal

Dimensions

Height	85 mm
Width	17.70 mm
Depth	70 mm

Use conditions

Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C

Compatibility

Suitable for DIN Rail	Yes
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Sustainability

RoHS conform	Yes
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