



ADB440U

RCBO 1M 1P 10kA B-40A 30mA Type A

Technical characteristics

Architecture

Type of pole	1P
Curve	B

Electric current

Rated current	40 A
Rated residual operating current I _{dn}	30 mA
Rated current -25°C	48.66 A
Rated current at -20°C	47.88 A
Rated current -15°C	47.09 A
Rated current -10°C	46.30 A
Rated current -5°C	45.51 A
Rated current at 0°C	44.73 A
Rated current 5°C	43.94 A
Rated current 10°C	43.15 A
Rated current 15°C	42.36 A
Rated current at 20°C	41.58 A
Rated current 25°C	40.79 A
Rated current 30°C	40 A
Rated current 35°C	39.15 A
Rated current at 40°C	38.30 A
Rated current at 50°C	36.60 A
Rated current 55°C	35.75 A
Rated current 60°C	34.90 A
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A

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	10 kA
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Voltage

Rated insulation voltage U _i	250 V
Rated impulse withstand voltage U _{imp}	4,000 V
Rated operational voltage U _e	230 - 240 V

Power

Total power loss under IN	12.50 W
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Frequency

Frequency	50 - 60 Hz
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Use conditions

Altitude	2,000 m
Class of energy limitation I ² t	3
Operating temperature	-25 - 40 °C
Storage/transport temperature	-40 - 70 °C

Endurance

Electric endurance in number of cycles	2,000
Number of mechanical operations	10,000

Connection

Cross-section of input with screws, for flexible conductors	1 - 10 mm ²
Cross-section of input with screws, for massive conductors	1 - 16 mm ²
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm ²
Cross-section of input and output with screws, for massive conductors	1 - 25 mm ²

Installation, mounting

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

Capacity

Number of modules	1
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Dimensions

Height	115 mm
Width	17.80 mm
Depth	70 mm

Compatibility

Suitable for DIN Rail	Yes
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