



ADC210B

**RCBO 1M 1P 10kA C-10A 30mA A**

**Technical Features**

**Architecture**

Type of pole	1P
Curve	C

**Electric current**

Rated current	10 A
Rated residual operating current I <sub>dn</sub>	30 mA
Rated current -25°C	13.30 A
Rated current at -20°C	13 A
Rated current -15°C	12.70 A
Rated current -10°C	12.40 A
Rated current -5°C	12.10 A
Rated current at 0°C	11.80 A
Rated current 5°C	11.50 A
Rated current 10°C	11.20 A
Rated current 15°C	10.90 A
Rated current at 20°C	10.60 A
Rated current 25°C	10.30 A
Rated current 30°C	10 A
Rated current 35°C	9.75 A
Rated current at 40°C	9.50 A
Rated current at 50°C	9 A
Rated current 55°C	8.75 A
Rated current 60°C	8.50 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 <sub>cn</sub> AC according to IEC 60898-1	10 kA
---	-------

**Voltage**

Rated insulation voltage U <sub>i</sub>	250 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Rated operational voltage U <sub>e</sub>	230 - 240 V
Overvoltage category according to IEC 60947-1	3

**Power**

Total power loss under I <sub>N</sub>	2.80 W
---------------------------------------	--------

**Frequency**

Frequency	50 - 60 Hz
-----------	------------

**Use conditions**

Max. Altitude	2000 m
Class of energy limitation I <sup>2</sup> t	3

**Endurance**

Electric endurance in number of cycles	2000
Number of mechanical operations	10000

**Connection**

Cross-section of input with screws, for flexible conductors	1 - 10 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 16 mm <sup>2</sup>

**Capacity**

Number of modules	1
-------------------	---

---

**Installation, mounting**

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

**Dimensions**

Height	115 mm
Width	17.80 mm
Depth	70 mm

**Use conditions**

Operating temperature	-5 - 40 °C
Storage/transport temperature	-40 - 70 °C

**Connection**

Cross-section of input and output with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
Cross-section of input and output with screws, for massive conductors	1 - 25 mm <sup>2</sup>

**Compatibility**

Suitable for DIN Rail	Yes
-----------------------	-----

**Sustainability**

RoHS conform	Yes
--------------	-----