



ADC310T

### RCBO Electronic 1P 6kA C-10A 30mA A Class 1M

#### Technical Features

##### Architecture

Type of pole	1P
Curve	C

##### Electric current

Rated current	10 A
Rated residual operating current $I_{dn}$	30 mA
Rated current -25°C	13.35 A
Rated current at -20°C	13.10 A
Rated current -15°C	12.85 A
Rated current -10°C	12.80 A
Rated current -5°C	12.35 A
Rated current at 0°C	12.10 A
Rated current 5°C	11.85 A
Rated current 10°C	11.60 A
Rated current 15°C	11.35 A
Rated current at 20°C	11.10 A
Rated current 25°C	10.85 A
Rated current 30°C	10 A
Rated current 35°C	10.35 A
Rated current at 40°C	10.10 A
Rated current at 50°C	10 A
Rated current 55°C	9.35 A
Rated current 60°C	9.10 A
Correction factor of rating current for 2 devices placed side by side	0.95
Correction factor of rating current for 3 devices placed side by side	0.95
Correction factor of rating current for 4 and 5 devices placed side by side	0.90
Correction factor of rating current for 6 devices placed side by side	0.85
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	6 kA
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##### Voltage

Rated insulation voltage $U_i$	250 V
Rated impulse withstand voltage $U_{imp}$	4000 V
Max. operating voltage	253 V
Rated operational voltage $U_e$	240 - 240 V
Overvoltage category according to IEC 60947-1	3

##### Power

Total power loss under $I_N$	3.02 W
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##### Frequency

Frequency	50 - 50 Hz
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##### Use conditions

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

##### Endurance

Electric endurance in number of cycles	8000
Number of mechanical operations	20000

# Product Datasheet

## ADC310T

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### 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
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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	92 mm
Width	17.70 mm
Depth	70 mm

### Use conditions

Operating temperature	-20 - 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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