

AD185

## RCBO 1M 1P 10kA C-10A 30mA AC

## Technical characteristics

| Architecture | right |
| :--- | ---: |
| Neutral position | 1 |
| Number of protected poles | 1 P |
| Number of poles | 1 P |
| Type of pole | C |

## Functions

Concurrently switching N-neutral No

## Configuration

Number of modules 1

## Main electrical features

| Rated short circuit breaking capacity Icn AC |  |
| :--- | ---: |
| according IEC60898-1 | 10 kA |
| Rated operational voltage Ue | $230 / 240 \mathrm{~V}$ |
| Frequency | $50 / 60 \mathrm{~Hz}$ |


| Voltage |  |
| :--- | ---: |
| Rated insulation voltage | 250 V |
| Max operating voltage | 253 V |
| Rated impulse withstand voltage | 4000 V |

## Electric current

| Rated residual operating current | 30 mA |
| :--- | ---: |
| Rated current | 10 A |
| Breaking and opening capacity | 6 kA |

min/maxi threshold value of the AC thermal
operation
$1.13 / 1.45 \mathrm{In}$
Magnetic regulating currrent ..... 5 / 10 InRated short circuit breaking capacity Icnunder 230V AC according IEC60898-110 kA

## Electric current / temperature

| Rating current $-25^{\circ} \mathrm{C}$ | 13.38 A |
| :--- | :---: |
| Rating current $-20^{\circ} \mathrm{C}$ | 13.11 A |
| Rating current $-15^{\circ} \mathrm{C}$ | 12.84 A |
| Rating current $-10^{\circ} \mathrm{C}$ | 12.55 A |
| Rating current $-5^{\circ} \mathrm{C}$ | 12.26 A |
| Rating current $0^{\circ} \mathrm{C}$ | 11.97 A |


| Rating current $5^{\circ} \mathrm{C}$ | 11.66 A |
| :--- | ---: |
| Rating current $10^{\circ} \mathrm{C}$ | 11.35 A |
| Rating current $15^{\circ} \mathrm{C}$ | 11.03 A |
| Rating current $20^{\circ} \mathrm{C}$ | 10.7 A |
| Rating current $25^{\circ} \mathrm{C}$ | 10.35 A |
| Rating current $30^{\circ} \mathrm{C}$ | 10 A |
| Rating current $35^{\circ} \mathrm{C}$ | 9.63 A |
| Rating current $40^{\circ} \mathrm{C}$ | 9.25 A |
| Rating current $45^{\circ} \mathrm{C}$ | 8.86 A |
| Rating current $50^{\circ} \mathrm{C}$ | 8.44 A |
| Rating current $55^{\circ} \mathrm{C}$ | 8 A |
| Rating current $60^{\circ} \mathrm{C}$ | 7.54 A |

## Current correction factors

Correction factor of rating current for 2 devices placed side-by-side

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
Correction factor of rating current for 6 devices placed side-by-side

## Dimensions

| Depth of installed product | 70 mm |
| :--- | ---: |
| Height of installed product | 115 mm |
| Width of installed product | 17.5 mm |

## Frequency

Frequency 50 to 60 Hz

## Power

| Total power loss under IN | 2.58 W |
| :--- | :---: |
| Power loss per pole at In | 1.87 W |

## Tripping

Protected against nuisance tripping No

## Endurance

| Electric endurance in number of cycles | 2000 |
| :--- | :--- |

Number of mechanical operations 1000

Installation, mounting
Tightening torque $2,1 \mathrm{Nm}$

## Connection

Connection cross-section at output with screw, for flexible conductor

Connection cross-section at output with screw, for massive conductor
$1 / 25 \mathrm{~mm}^{2}$
Connection cross-section for rigid
conductor, upstream terminals with screws
$1 / 25 \mathrm{~mm}^{2}$

| Standards |  |
| :---: | :---: |
| Standard text | IEC 61009-1 ; EN 61009-1 |
| Safety |  |
| Protection index IP | IP20 |
| Residual current type | AC |
| Use conditions |  |
| Degree of pollution according to IEC 60664 / IEC 60947-2 |  |
| Class of energy limitation $1^{2} \mathrm{t}$ | 3 |
| Altitude | 2000 m |
| Air humidity protection | Execution II |

