



ADC316T

RCBO Electronic 1M 1P 6kA C-16A 30mA A Class

Technical Features

Architecture

| | |
|--------------|----|
| Type of pole | 1P |
| Curve | C |

Electric current

| | |
|---|---------------|
| Rated current | 16 A |
| Rated residual operating current I_{dn} | 30 mA |
| Rated current -25°C | 20.20 A |
| Rated current at -20°C | 19.80 A |
| Rated current -15°C | 19.50 A |
| Rated current -10°C | 19.10 A |
| Rated current -5°C | 18.80 A |
| Rated current at 0°C | 18.40 A |
| Rated current 5°C | 18 A |
| Rated current 10°C | 17.60 A |
| Rated current 15°C | 17.20 A |
| Rated current at 20°C | 16.80 A |
| Rated current 25°C | 16.40 A |
| Rated current 30°C | 16 A |
| Rated current 35°C | 15.70 A |
| Rated current at 40°C | 15.40 A |
| Rated current at 50°C | 14.80 A |
| Rated current 55°C | 14.50 A |
| Rated current 60°C | 14.20 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 |
|--|------|

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 | 6.50 W |
|------------------------------|--------|

Frequency

| | |
|-----------|------------|
| Frequency | 50 - 50 Hz |
|-----------|------------|

Use conditions

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

Endurance

| | |
|--|------|
| Electric endurance in number of cycles | 2000 |
| Number of mechanical operations | 1000 |

Capacity

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

Dimensions

| | |
|--------|----------|
| Height | 92 mm |
| Width | 17.70 mm |
| Depth | 70 mm |

Use conditions

| | |
|-------------------------------|-------------|
| Operating temperature | -5 - 55 °C |
| Storage/transport temperature | -25 - 80 °C |