



AEX416T

### RCBO 4P 10kA C-16A 100mA A

#### Technical Features

##### Electric current

|                                                  |         |
|--------------------------------------------------|---------|
| Rated current                                    | 16 A    |
| Rated residual operating current I <sub>dn</sub> | 100 mA  |
| Rated current -25°C                              | 19.40 A |
| Rated current at -20°C                           | 19.10 A |
| Rated current -15°C                              | 18.90 A |
| Rated current -10°C                              | 18.60 A |
| Rated current -5°C                               | 18.30 A |
| Rated current at 0°C                             | 18 A    |
| Rated current 5°C                                | 17.60 A |
| Rated current 10°C                               | 17.30 A |
| Rated current 15°C                               | 17 A    |
| Rated current at 20°C                            | 16.70 A |
| Rated current 25°C                               | 16.30 A |
| Rated current 30°C                               | 16 A    |
| Rated current 35°C                               | 15.60 A |
| Rated current at 40°C                            | 15.20 A |
| Rated current at 45°C                            | 14.90 A |
| Rated current at 50°C                            | 14.40 A |
| Rated current 55°C                               | 14 A    |
| Rated current 60°C                               | 13.60 A |

##### Architecture

|                           |       |
|---------------------------|-------|
| Curve                     | C     |
| Number of poles           | 4     |
| Neutral position          | Right |
| Type of pole              | 4P    |
| Number of protected poles | 4     |

##### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 4 |
|-------------------|---|

##### Safety

|                               |      |
|-------------------------------|------|
| Residual current type         | A    |
| Ingress Protection (IP) class | IP20 |

##### Voltage

|                     |    |
|---------------------|----|
| Type voltage supply | AC |
|---------------------|----|

##### Electric current

|                                                                             |         |
|-----------------------------------------------------------------------------|---------|
| Rated service breaking capacity I <sub>cs</sub> AC according to IEC 60898-1 | 7.50 kA |
|-----------------------------------------------------------------------------|---------|

##### Voltage

|                                                  |             |
|--------------------------------------------------|-------------|
| Rated operational voltage U <sub>e</sub>         | 230 - 415 V |
| Rated insulation voltage U <sub>i</sub>          | 500 V       |
| Dielectric strength value of power frequency     | 2 kV        |
| Rated impulse withstand voltage U <sub>imp</sub> | 4000 V      |

##### Main electrical attributes

|                                                                                   |       |
|-----------------------------------------------------------------------------------|-------|
| Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1 | 10 kA |
|-----------------------------------------------------------------------------------|-------|

##### Installation, mounting

|                                         |          |
|-----------------------------------------|----------|
| Nominal tightening torque down terminal | 2 - 2 Nm |
| Nominal tightening torque top terminal  | 2 - 2 Nm |

##### Frequency

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

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**Connection**

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

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**Installation, mounting**

|                                 |          |
|---------------------------------|----------|
| Nominal tightening torque       | 2 - 2 Nm |
| 360° mounting position possible | Yes      |

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**Use conditions**

|                                                          |             |
|----------------------------------------------------------|-------------|
| Class of energy limitation I <sup>2</sup> t              | 3           |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2           |
| Operating temperature                                    | -25 - 40 °C |

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**Dimensions**

|        |       |
|--------|-------|
| Height | 84 mm |
| Width  | 71 mm |
| Depth  | 70 mm |

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**Installation, mounting**

|                                               |                     |
|-----------------------------------------------|---------------------|
| Type of top connection for modular devices    | Screw terminal      |
| Type of bottom connection for modular devices | biconnect<br>Bypass |

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**Power**

|                           |         |
|---------------------------|---------|
| Total power loss under IN | 10.90 W |
|---------------------------|---------|

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**Sustainability**

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