



ADX420T

**RCBO 4P 10kA C-20A 30mA A**

**Technical Features**

**Electric current**

|  |         |
|--|---------|
| Rated current                                    | 20 A    |
| Rated residual operating current I <sub>dn</sub> | 30 mA   |
| Rated current -25°C                              | 23.80 A |
| Rated current at -20°C                           | 23.50 A |
| Rated current -15°C                              | 23.20 A |
| Rated current -10°C                              | 22.90 A |
| Rated current -5°C                               | 22.50 A |
| Rated current at 0°C                             | 22.20 A |
| Rated current 5°C                                | 21.80 A |
| Rated current 10°C                               | 21.50 A |
| Rated current 15°C                               | 21.10 A |
| Rated current at 20°C                            | 20.80 A |
| Rated current 25°C                               | 20.40 A |
| Rated current 30°C                               | 20 A    |
| Rated current 35°C                               | 19.60 A |
| Rated current at 40°C                            | 19.10 A |
| Rated current at 45°C                            | 18.60 A |
| Rated current at 50°C                            | 18.20 A |
| Rated current 55°C                               | 17.70 A |
| Rated current 60°C                               | 17.20 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 | 11.70 W |
|---------------------------|---------|

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**Sustainability**

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