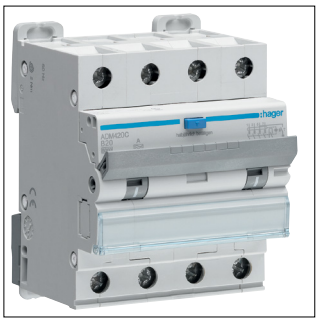
# Product Datasheet
ADM420C



ADM420C

**RCBO 4P 6kA B-20A 30mA A Class**

## Technical Features

| | |
|---|---|
| **Architecture** | |
| Type of pole | 4P |
| Number of protected poles | 4 |
| Curve | B |
| **Electric current** | |
| Rated current IN | 20 A |
| Rated residual operating current Idn | 30 mA |
| Rated current at -25°C | 23.92 A |
| Rated current at -20°C | 23.57 A |
| Rated current at -15°C | 23.21 A |
| Rated current at -10°C | 22.85 A |
| Rated current at -5°C | 22.5 A |
| Rated current at 0°C | 22.14 A |
| Rated current at 5°C | 21.78 A |
| Rated current at 10°C | 21.43 A |
| Rated current at 15°C | 21.07 A |
| Rated current at 20°C | 20.71 A |
| Rated current at 25°C | 20.36 A |
| Rated current at 30°C | 20 A |
| Rated current at 35°C | 19.54 A |
| Rated current at 40°C | 19.08 A |
| Rated current at 45°C | 18.62 A |
| Rated current at 50°C | 18.16 A |
| Rated current at 55°C | 17.69 A |
| Rated current at 60°C | 17.23 A |
| Correction factor of rating current for 2 devices placed side by side | 0.80 |
| 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 Icn AC according to IEC 60898-1 | 6 kA |
| **Voltage** | |
| Rated insulation voltage Ui | 500 V |
| **Electric current** | |
| Rated service breaking capacity Ics AC according to IEC 60898-1 | 6 kA |
| **Voltage** | |
| Rated impulse withstand voltage Uimp | 4000 V |
| Rated operational voltage Ue | 230 - 400 V |
| Overvoltage category according to IEC 60947-1 | 3 |
| Type voltage supply | AC |
| Dielectric strength value of power frequency | 2 kV |
| **Power** | |
| Power dissipation at IN | 11.70 W |
| **Frequency** | |
| Frequency | 50 - 50 Hz |
| **Use conditions** | |
| Max. altitude | 2000 m |

| | |
|---|---|
| **Installation, mounting** | |
| Nominal tightening torque down terminal | 2 - 2 Nm |
| Nominal tightening torque top terminal | 2 - 2 Nm |
| **Use conditions** | |
| Class of energy limitation $I^2t$ | 3 |
| **Endurance** | |
| Electric endurance in number of cycles | 2000 |
| Number of mechanical operations | 4000 |
| **Connection** | |
| Cross-section of top terminal with screws, for flexible conductors | 1 - 16 $mm^2$ |
| Cross-section of top terminal with screws, for rigid conductors | 1 - 25 $mm^2$ |
| **Capacity** | |
| Number of modules | 4 |
| **Installation, mounting** | |
| Type of bottom connection for modular devices | biconnect |
| **Dimensions** | |
| Height | 84 mm |
| Width | 71 mm |
| Depth | 70 mm |
| **Use conditions** | |
| Operating temperature | -25 - 40 °C |
| Storage/transport temperature | -55 - 70 °C |
| **Connection** | |
| Cross-section of top and bottom terminal with screws, for flexible conductors | 1 - 16 $mm^2$ |
| Cross-section of top and bottom terminal with screws, for rigid conductors | 1 - 25 $mm^2$ |
| **Use conditions** | |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| **Sustainability** | |
| RoHS conform | Yes |