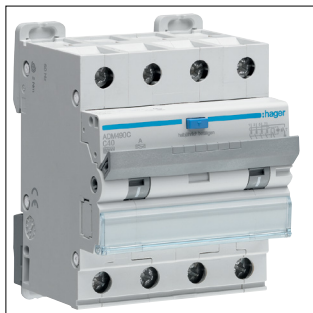




ADM490C

### RCBO 4P 6kA C-40A 30mA A Class

#### Technical Features

##### Electric current

|                                                                                        |         |
|----------------------------------------------------------------------------------------|---------|
| Rated current                                                                          | 40 A    |
| Rated residual operating current $I_{\Delta n}$                                        | 30 mA   |
| Rated short-circuit breaking capacity $I_{cn}$ under 400 V AC according to IEC 60898-1 | 6 kA    |
| Rated current -25°C                                                                    | 49.80 A |
| Rated current at -20°C                                                                 | 49 A    |
| Rated current -15°C                                                                    | 48.20 A |
| Rated current -10°C                                                                    | 47.30 A |
| Rated current -5°C                                                                     | 46.50 A |
| Rated current at 0°C                                                                   | 45.60 A |
| Rated current 5°C                                                                      | 44.70 A |
| Rated current 10°C                                                                     | 43.80 A |
| Rated current 15°C                                                                     | 42.90 A |
| Rated current at 20°C                                                                  | 42 A    |
| Rated current 25°C                                                                     | 41 A    |
| Rated current 30°C                                                                     | 40 A    |
| Rated current 35°C                                                                     | 38.90 A |
| Rated current at 40°C                                                                  | 37.70 A |
| Rated current at 45°C                                                                  | 36.50 A |
| Rated current at 50°C                                                                  | 35.20 A |
| Rated current 55°C                                                                     | 33.90 A |
| Rated current 60°C                                                                     | 32.60 A |

##### Architecture

|                           |               |
|---------------------------|---------------|
| Curve                     | C             |
| Neutral position          | Left<br>Right |
| Type of pole              | 4P            |
| Number of protected poles | 4             |

##### Capacity

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

##### Safety

|                               |      |
|-------------------------------|------|
| Residual current type         | A    |
| Ingress Protection (IP) class | IP2X |

##### Voltage

|                                               |             |
|-----------------------------------------------|-------------|
| Type voltage supply                           | AC          |
| Rated operational voltage $U_e$               | 230 - 400 V |
| Rated insulation voltage $U_i$                | 500 V       |
| Dielectric strength value of power frequency  | 2 kV        |
| Rated impulse withstand voltage $U_{imp}$     | 4000 V      |
| Overvoltage category according to IEC 60947-1 | 3           |

##### Main electrical attributes

|                                                                            |      |
|----------------------------------------------------------------------------|------|
| Rated short-circuit breaking capacity $I_{cn}$ AC according to IEC 60898-1 | 6 kA |
|----------------------------------------------------------------------------|------|

##### Installation, mounting

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

##### Frequency

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

##### 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> |

---

**Installation, mounting**

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

---

**Use conditions**

|                                             |             |
|---------------------------------------------|-------------|
| Class of energy limitation I <sup>2</sup> t | 3           |
| Operating temperature                       | -25 - 40 °C |

---

**Dimensions**

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

---

**Installation, mounting**

|                                               |                |
|-----------------------------------------------|----------------|
| Type of top connection for modular devices    | Screw terminal |
| Type of bottom connection for modular devices | biconnect      |

---

**Connectivity**

|                    |                |
|--------------------|----------------|
| Type of connection | Screw terminal |
|--------------------|----------------|

---

**Power**

|                           |         |
|---------------------------|---------|
| Total power loss under IN | 17.70 W |
|---------------------------|---------|

---

**Sustainability**

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