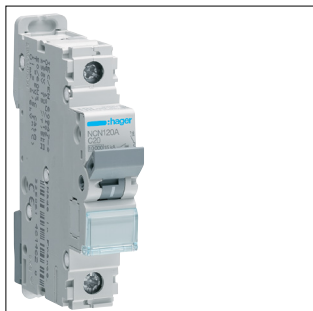




NCN120A

### MCB 1P 10kA/15kA C-20A 1M

#### Technical Features

##### Electric current

|                                                                                        |         |
|----------------------------------------------------------------------------------------|---------|
| Rated current $I_N$                                                                    | 20 A    |
| Rated short-circuit breaking capacity $I_{cn}$ under 230 V AC according to IEC 60898-1 | 10 kA   |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ AC IEC 60947-2                 | 15 kA   |
| Rated current at -15°C                                                                 | 24.24 A |
| Rated current at -10°C                                                                 | 23.80 A |
| Rated current at -5°C                                                                  | 23.36 A |
| Rated current at 0°C                                                                   | 22.91 A |
| Rated current at 5°C                                                                   | 22.45 A |
| Rated current at 10°C                                                                  | 21.98 A |
| Rated current at 15°C                                                                  | 21.51 A |
| Rated current at 20°C                                                                  | 21.02 A |
| Rated current at 25°C                                                                  | 20.51 A |
| Rated current at 30°C                                                                  | 20 A    |
| Rated current at 35°C                                                                  | 19.47 A |
| Rated current at 40°C                                                                  | 18.93 A |
| Rated current at 45°C                                                                  | 18.37 A |
| Rated current at 50°C                                                                  | 17.80 A |
| Rated current at 55°C                                                                  | 17.20 A |
| Rated current at 60°C                                                                  | 16.58 A |
| Rated current at 65°C                                                                  | 15.94 A |
| Rated current at 70°C                                                                  | 15.28 A |

##### Architecture

|              |    |
|--------------|----|
| Type of pole | 1P |
|--------------|----|

##### Electric current

|                                                                                    |         |
|------------------------------------------------------------------------------------|---------|
| Rated service breaking capacity $I_{cs}$ AC according to IEC 60898-1               | 7.50 kA |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 230 V AC IEC 60947-2 | 15 kA   |

##### Architecture

|       |   |
|-------|---|
| Curve | C |
|-------|---|

##### Capacity

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

##### Main electrical attributes

|                                                                            |       |
|----------------------------------------------------------------------------|-------|
| Rated short-circuit breaking capacity $I_{cn}$ AC according to IEC 60898-1 | 10 kA |
|----------------------------------------------------------------------------|-------|

##### Installation, mounting

|                                         |                |
|-----------------------------------------|----------------|
| Nominal tightening torque top terminal  | 2.80 - 2.80 Nm |
| Nominal tightening torque down terminal | 2.80 - 2.80 Nm |
| Nominal tightening torque               | 2.80 - 2.80 Nm |

##### Voltage

|                                           |             |
|-------------------------------------------|-------------|
| Rated operational voltage $U_e$           | 230 - 400 V |
| Type voltage supply                       | AC          |
| Rated insulation voltage $U_i$            | 500 V       |
| Rated impulse withstand voltage $U_{imp}$ | 6000 V      |

##### Frequency

|           |            |
|-----------|------------|
| Frequency | 50 - 60 Hz |
|-----------|------------|

##### Connection

|                                                                        |                        |
|------------------------------------------------------------------------|------------------------|
| Cross-section of input and output with screws, for massive conductors  | 1 - 35 mm <sup>2</sup> |
| Cross-section of input and output with screws, for flexible conductors | 1 - 25 mm <sup>2</sup> |
| Cross-section of input with screws, for flexible conductors            | 1 - 25 mm <sup>2</sup> |
| Cross-section of input with screws, for massive conductors             | 1 - 35 mm <sup>2</sup> |

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**Installation, mounting**

|                                               |                |
|-----------------------------------------------|----------------|
| Type of bottom connection for modular devices | biconnect      |
| Type of top connection for modular devices    | Screw terminal |
| 360° mounting position possible               | Yes            |

**Safety**

|                               |       |
|-------------------------------|-------|
| Ingress Protection (IP) class | IP20  |
| Grid distance                 | 60 mm |

**Use conditions**

|                                                          |             |
|----------------------------------------------------------|-------------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2           |
| Class of energy limitation I <sup>2</sup> t              | 3           |
| Operating temperature                                    | -25 - 70 °C |

**Power**

|                         |        |
|-------------------------|--------|
| Power dissipation at IN | 2.56 W |
|-------------------------|--------|

**Connectivity**

|                                               |                  |
|-----------------------------------------------|------------------|
| Type of connection                            | Screw terminal   |
| Top connection alignment for modular devices  | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |

**Dimensions**

|        |          |
|--------|----------|
| Height | 83 mm    |
| Width  | 17.50 mm |
| Depth  | 70 mm    |

**Sustainability**

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