



NT150C

**MCB 1P 10kA C-50A 1M**

**Technical properties**

**Electric current**

|  |       |
|--|-------|
| Rated current  | 50 A  |
| Rated short-circuit breaking capacity $I_{cn}$ under 230 V AC according to IEC 60898-1 | 10 kA |

**Architecture**

|              |    |
|--------------|----|
| Type of pole | 1P |
| 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          |
| Nominal tightening torque top terminal                                     | 2,80 - 2,80 Nm |
| Nominal tightening torque down terminal                                    | 2,80 - 2,80 Nm |

**Voltage**

|   |             |
|---|-------------|
| Rated operational voltage $U_e$           | 240 - 415 V |
| Type voltage supply                       | AC          |
| Rated insulation voltage $U_i$            | 500 V       |
| Rated impulse withstand voltage $U_{imp}$ | 4000 V      |

**Frequency**

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

**Installation, mounting**

|   |                |
|---|----------------|
| Nominal tightening torque                     | 2,80 - 2,80 Nm |
| 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 |
|-------------------------------|------|

**Use conditions**

|  |                  |
|--|------------------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2                |
| Class of energy limitation $I^2t$                        | 3                |
| Air humidity protection                                  | For all climates |

Operating temperature

-25 - 70 °C

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### Power

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|                           |        |
|---------------------------|--------|
| Total power loss under IN | 5,20 W |
|---------------------------|--------|

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### Connectivity

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

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|  |                  |
|--|------------------|
| Top connection alignment for modular devices | Aligned terminal |
|--|------------------|

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|   |                  |
|---|------------------|
| Down connection alignment for modular devices | Aligned terminal |
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### Dimensions

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|        |       |
|--------|-------|
| Height | 83 mm |
|--------|-------|

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|       |          |
|-------|----------|
| Width | 17,50 mm |
|-------|----------|

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|       |       |
|-------|-------|
| Depth | 70 mm |
|-------|-------|

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### Connection

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

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