



NBN125A

MCB 1P 10kA/15kA B-25A 1M

Technical Features

Electric current

| | |
|---|---------|
| Rated current | 25 A |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2 | 7.50 kA |
| Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1 | 10 kA |
| Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2 | 15 kA |
| Rated current -25°C | 32.76 A |
| Rated current at -20°C | 32.06 A |
| Rated current -15°C | 31.35 A |
| Rated current -10°C | 30.64 A |
| Rated current -5°C | 29.94 A |
| Rated current at 0°C | 29.23 A |
| Rated current 5°C | 28.53 A |
| Rated current 10°C | 27.82 A |
| Rated current 15°C | 27.12 A |
| Rated current at 20°C | 26.41 A |
| Rated current 25°C | 25.71 A |
| Rated current 30°C | 25 A |
| Rated current 35°C | 24.29 A |
| Rated current at 40°C | 23.59 A |
| Rated current at 45°C | 22.88 A |
| Rated current at 50°C | 22.18 A |
| Rated current 55°C | 21.47 A |
| Rated current 60°C | 20.77 A |
| Rated current 65°C | 20.06 A |
| Rated current 70°C | 19.36 A |

Architecture

| | |
|--------------|----|
| Type of pole | 1P |
| Curve | B |

Capacity

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

Main electrical attributes

| | |
|---|-------|
| Rated short-circuit breaking capacity Icn 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 |

Voltage

| | |
|--------------------------------------|-------------|
| Rated operational voltage Ue | 230 - 400 V |
| Type voltage supply | AC |
| Rated insulation voltage Ui | 500 V |
| Rated impulse withstand voltage Uimp | 6000 V |

Frequency

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

Connection

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

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 |

Installation, mounting

| | |
|---------------------------------|-----|
| 360° mounting position possible | Yes |
|---------------------------------|-----|

Safety

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|-------------------------------|------|
| Ingress Protection (IP) class | IP20 |
|-------------------------------|------|

Use conditions

| | |
|--|---|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
|--|---|

| | |
|---|---|
| Class of energy limitation I ² t | 3 |
|---|---|

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|-----------------------|-------------|
| Operating temperature | -25 - 70 °C |
|-----------------------|-------------|

Power

| | |
|---------------------------|--------|
| Total power loss under IN | 3.37 W |
|---------------------------|--------|

Endurance

| | |
|--|------|
| Electric endurance in number of cycles | 4000 |
|--|------|

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|---------------------------------|-------|
| Number of mechanical operations | 20000 |
|---------------------------------|-------|

Connectivity

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

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

| | |
|---|------------------|
| 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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Sustainability

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| RoHS conform | Yes |
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