



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 <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>

**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**

---

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

---

**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**

---

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

---

**Endurance**

---

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

---

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

---

**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
--------------	-----

---