



NDN163A

**MCB 1P 10kA/15kA D-63A 1M**

**Technical Features**

**Electric current**

Rated current	63 A
Rated short-circuit breaking capacity I <sub>cn</sub> under 230 V AC according to IEC 60898-1	10 kA
Rated current -15°C	78.07 A
Rated current -10°C	76.54 A
Rated current -5°C	75.05 A
Rated current at 0°C	73.54 A
Rated current 5°C	72.03 A
Rated current 10°C	70.52 A
Rated current 15°C	69 A
Rated current at 20°C	67.47 A
Rated current 25°C	65.95 A
Rated current 30°C	63 A
Rated current 35°C	62.03 A
Rated current at 40°C	60.50 A
Rated current at 45°C	58.68 A
Rated current at 50°C	58.27 A
Rated current 55°C	52.80 A
Rated current 60°C	50.51 A
Rated current 65°C	48.12 A
Rated current 70°C	45.60 A

**Architecture**

Type of pole	1P
Curve	D

**Capacity**

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

**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> 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 <sub>e</sub>	230 - 400 V
Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	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**

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
-------------------------------	------

---

**Safety**

---

Grid distance	60 mm
---------------	-------

---

**Use conditions**

---

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

---

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

---

**Power**

---

Total power loss under IN	5.73 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
--------------	-----

---