



ADD432U

**RCBO 1M 1P 10kA D-32A 30mA A**

**Technical Features**

**Architecture**

Type of pole	1P
Curve	D

**Electric current**

Rated current	32 A
Rated residual operating current I <sub>dn</sub>	30 mA
Rated current -25°C	42.45 A
Rated current at -20°C	41.50 A
Rated current -15°C	40.55 A
Rated current -10°C	39.60 A
Rated current -5°C	38.65 A
Rated current at 0°C	37.70 A
Rated current 5°C	36.75 A
Rated current 10°C	35.80 A
Rated current 15°C	34.85 A
Rated current at 20°C	33.90 A
Rated current 25°C	32.95 A
Rated current 30°C	32 A
Rated current 35°C	31.15 A
Rated current at 40°C	30.30 A
Rated current at 50°C	28.60 A
Rated current 55°C	27.75 A
Rated current 60°C	26.90 A
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A

**Safety**

Residual current type	A
Ingress Protection (IP) class	IP20

**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	10 kA
---	-------

**Voltage**

Rated insulation voltage U <sub>i</sub>	250 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Rated operational voltage U <sub>e</sub>	230 - 240 V
Overvoltage category according to IEC 60947-1	3

**Power**

Total power loss under I <sub>N</sub>	9.90 W
---------------------------------------	--------

**Frequency**

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

**Use conditions**

Max. Altitude	2000 m
---------------	--------

**Endurance**

Electric endurance in number of cycles	2000
Number of mechanical operations	10000

**Connection**

Cross-section of input with screws, for flexible conductors	1 - 10 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 16 mm <sup>2</sup>

**Capacity**

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

---

**Installation, mounting**

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect

---

**Dimensions**

Height	115 mm
Width	17.80 mm
Depth	70 mm

---

**Use conditions**

Operating temperature	-25 - 40 °C
Storage/transport temperature	-40 - 70 °C

---

**Connection**

Cross-section of input and output with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
Cross-section of input and output with screws, for massive conductors	1 - 25 mm <sup>2</sup>

---

**Compatibility**

Suitable for DIN Rail	Yes
-----------------------	-----

---

**Sustainability**

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