



ADD906T

**RCBO 1M 1P+N 6kA D-6A 30mA A**

**Technical properties**

**Architecture**

Type of pole	1P+N
Curve	D

**Electric current**

Rated current	6 A
Rated residual operating current I <sub>dn</sub>	30 mA
Rated current -25°C	7,40 A
Rated current at -20°C	7,30 A
Rated current -15°C	7,10 A
Rated current -10°C	7 A
Rated current -5°C	6,90 A
Rated current at 0°C	6,80 A
Rated current 5°C	6,60 A
Rated current 10°C	6,50 A
Rated current 15°C	6,40 A
Rated current at 20°C	6,30 A
Rated current 25°C	6,10 A
Rated current 30°C	6 A
Rated current 35°C	5,90 A
Rated current at 40°C	5,70 A
Rated current at 50°C	5,50 A
Rated current 55°C	5,40 A
Rated current 60°C	5,20 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	6 kA
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**Voltage**

Rated insulation voltage U <sub>i</sub>	440 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Max. operating voltage	264 V
Rated operational voltage U <sub>e</sub>	230 - 240 V

**Power**

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Total power loss under IN	2,74 W
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**Frequency**

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Frequency	50 - 50 Hz
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**Use conditions**

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Max. Altitude	2000 m
Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C

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**Endurance**

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Electric endurance in number of cycles	10000
Number of mechanical operations	20000

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**Connection**

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

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**Installation, mounting**

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

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**Capacity**

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Number of modules	1
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**Dimensions**

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Height	85 mm
Width	17,70 mm
Depth	70 mm

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**Compatibility**

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Suitable for DIN Rail	Yes
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