



ACA116T

**RCBO Electronic 1M 1P 6kA C-16A 10mA A Class**

**Technical Features**

**Architecture**

Type of pole	1P
Curve	C

**Electric current**

Rated current	16 A
Rated residual operating current I <sub>dn</sub>	10 mA
Rated current -25°C	22.23 A
Rated current at -20°C	21.74 A
Rated current -15°C	21.23 A
Rated current -10°C	20.72 A
Rated current -5°C	20.19 A
Rated current at 0°C	19.64 A
Rated current 5°C	19.08 A
Rated current 10°C	18.51 A
Rated current 15°C	17.91 A
Rated current at 20°C	17.30 A
Rated current 25°C	16.66 A
Rated current 30°C	16 A
Rated current 35°C	15.38 A
Rated current at 40°C	14.75 A
Rated current at 50°C	13.50 A
Rated current 55°C	12.88 A
Rated current 60°C	12.25 A
Correction factor of rating current for 2 devices placed side by side	1
Correction factor of rating current for 3 devices placed side by side	0.95
Correction factor of rating current for 4 and 5 devices placed side by side	0.90
Correction factor of rating current for 6 devices placed side by side	0.85
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>	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>	4.74 W
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**Frequency**

Frequency	50 - 50 Hz
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**Use conditions**

Max. altitude	2000 m
Class of energy limitation I <sup>2</sup> t	3

**Endurance**

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

**Connection**

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

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Cross-section of input with screws, for massive conductors	1 - 25 mm <sup>2</sup>
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**Installation, mounting**

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Nominal tightening torque	2.10 - 2.10 Nm
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**Capacity**

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Number of modules	1
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**Installation, mounting**

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

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Height	110 mm
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Width	17.80 mm
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Depth	70 mm
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**Use conditions**

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Operating temperature	-5 - 60 °C
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Storage/transport temperature	-25 - 60 °C
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**Connection**

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

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Suitable for DIN Rail	Yes
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**Sustainability**

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RoHS conform	Yes
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