



ADA316G

## RCBO Electronic 1P 6kA B Curve -16A, 30mA Type A(AC & Pulsating DC Sensitive)1M

### Technical characteristics

#### Architecture

Type of pole	1P
Curve	B

#### Electric current

Rated current	16 A
Rated residual operating current I <sub>dn</sub>	30 mA
Rated current -25°C	23.18 A
Rated current at -20°C	22.64 A
Rated current -15°C	22.11 A
Rated current -10°C	22 A
Rated current -5°C	21.04 A
Rated current at 0°C	20.50 A
Rated current 5°C	19.96 A
Rated current 10°C	19.43 A
Rated current 15°C	18.89 A
Rated current at 20°C	18.36 A
Rated current 25°C	17.82 A
Rated current 30°C	16 A
Rated current 35°C	16.75 A
Rated current at 40°C	16.22 A
Rated current at 50°C	16 A
Rated current 55°C	14.61 A
Rated current 60°C	14.07 A
Correction factor of rating current for 2 devices placed side by side	0.95
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>	4,000 V
Max. operating voltage	253 V
Rated operational voltage U <sub>e</sub>	230 - 230 V
Overvoltage category according to IEC 60947-1	3

#### Power

Total power loss under I <sub>N</sub>	3.77 W
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#### Frequency

Frequency	50 - 50 Hz
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#### Use conditions

Max. Altitude	2,000 m
Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-20 - 70 °C
Storage/transport temperature	-25 - 80 °C

#### Endurance

Electric endurance in number of cycles	16,000
Number of mechanical operations	20,000

#### 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>

#### Installation, mounting

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

#### Capacity

Number of modules	1
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#### Dimensions

Height	92 mm
Width	17.70 mm
Depth	70 mm

#### Compatibility

Suitable for DIN Rail	Yes
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