



CDA240U

## RCCB 2P 40A 30mA A Class

### Technical characteristics

#### Architecture

Type of pole	1P+N
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#### Electric current

Rated current	40 A
Rated residual operating current $I_{dn}$	30 mA
Breaking and opening capacity $I_{dm}$	1.50 kA
Rated conditional short-circuit current $I_{nc}$ according to EN61008-1	6 kA
Rated current -25°C	40 A
Rated current at -20°C	40 A
Rated current -15°C	40 A
Rated current -10°C	40 A
Rated current -5°C	40 A
Rated current at 0°C	40 A
Rated current 5°C	40 A
Rated current 10°C	40 A
Rated current 15°C	40 A
Rated current at 20°C	40 A
Rated current 25°C	40 A
Rated current 30°C	40 A
Rated current 35°C	40 A
Rated current at 40°C	40 A
Rated current at 45°C	38 A
Rated current at 50°C	37 A
Rated current 55°C	34 A
Rated current 60°C	30 A
Rated current 65°C	26 A
Rated current 70°C	21 A

#### Main electrical attributes

Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm

#### Voltage

Rated operational voltage $U_e$	230 - 230 V
Type voltage supply	AC
Rated insulation voltage $U_i$	500 V
Rated impulse withstand voltage $U_{imp}$	4,000 V

Max. operating voltage

253 V

#### Frequency

Frequency	50 - 50 Hz
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#### Capacity

Number of modules	2
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#### Compatibility

Suitable for DIN Rail	Yes
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#### Safety

Residual current type	A
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Ingress Protection (IP) class	IP20
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#### Installation, mounting

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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Nominal tightening torque	2.80 - 2.80 Nm
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#### Connection

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

Total power loss under IN	6.24 W
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#### Use conditions

Max. Altitude	2,000 m
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#### Endurance

Electric endurance in number of cycles	2,000
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Number of mechanical operations	4,000
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#### Connectivity

Type of connection	Screw terminal
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Top connection alignment for modular devices	Aligned terminal
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Down connection alignment for modular devices	Aligned terminal
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#### Dimensions

Height	83 mm
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Width	35 mm
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Depth	70 mm
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