



CDA425U

## RCCB 4P 25A 30mA A Class

### Technical properties

#### Architecture

Type of pole	3P+N
--------------	------

#### Electric current

Rated current	25 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	25 A
Rated current at -20°C	25 A
Rated current -15°C	25 A
Rated current -10°C	25 A
Rated current -5°C	25 A
Rated current at 0°C	25 A
Rated current 5°C	25 A
Rated current 10°C	25 A
Rated current 15°C	25 A
Rated current at 20°C	25 A
Rated current 25°C	25 A
Rated current 30°C	25 A
Rated current 35°C	25 A
Rated current at 40°C	25 A
Rated current at 45°C	25 A
Rated current at 50°C	25 A
Rated current 55°C	25 A
Rated current 60°C	25 A
Rated current 65°C	22 A
Rated current 70°C	18 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 - 400 V
Type voltage supply	AC
Rated insulation voltage $U_i$	500 V
Rated impulse withstand voltage $U_{imp}$	4,000 V

**Frequency**

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

**Capacity**

Number of modules	4
-------------------	---

**Compatibility**

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

**Safety**

Residual current type	A
-----------------------	---

Ingress Protection (IP) class	IP20
-------------------------------	------

**Installation, mounting**

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

Type of bottom connection for modular devices	biconnect
---	-----------

Nominal tightening torque	2.80 - 2.80 Nm
---------------------------	----------------

**Connection**

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

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

**Power**

Total power loss under IN	4.50 W
---------------------------	--------

**Use conditions**

Max. Altitude	2,000 m
---------------	---------

**Endurance**

Electric endurance in number of cycles	2,000
--	-------

Number of mechanical operations	4,000
---------------------------------	-------

**Connectivity**

Type of connection	Screw terminal
--------------------	----------------

Top connection alignment for modular devices	Aligned terminal
--	------------------

Down connection alignment for modular devices	Aligned terminal
---	------------------

**Dimensions**

Height	83 mm
--------	-------

Width	70 mm
-------	-------

Depth	70 mm
-------	-------