



CDA425T

## 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 $U_{imp}$ | 4000 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 | 2000 m |
|---------------|--------|

**Endurance**

|  |      |
|--|------|
| Electric endurance in number of cycles | 2000 |
|--|------|

|                                 |      |
|---------------------------------|------|
| Number of mechanical operations | 4000 |
|---------------------------------|------|

**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 |
|-------|-------|