



CDA684T

RCCB 3P+N 100A 30mA A

Technical characteristics

Architecture

| | |
|------------------|-------------------------------|
| Neutral position | right |
| Number of poles | 4 P |
| Type of pole | 3P+N |
| Fixing mode | DIN rail type O (symmetrical) |

Configuration

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

Connectivity

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

Main electrical features

| | |
|---------------------------------|-----------|
| Rated operational voltage U_e | 240/415 V |
| Type of supply voltage | AC |
| Frequency | 50 Hz |

Voltage

| | |
|---------------------------------|--------|
| Rated insulation voltage | 500 V |
| Max operating voltage | 456 V |
| Rated impulse withstand voltage | 4000 V |

Electric current

| | |
|--|--------|
| Rated residual operating current | 30 mA |
| Rated current | 100 A |
| Withstand not tripping on 8-20 μ s wave | 3 kA |
| Breaking and opening capacity | 1250 A |
| Rated conditional short-circuit current I_{nc} according to EN 61008-1 | 10 kA |

Electric current / temperature

| | |
|----------------------|-------|
| Rating current -25°C | 100 A |
| Rating current -20°C | 100 A |
| Rating current -15°C | 100 A |
| Rating current -10°C | 100 A |
| Rating current -5°C | 100 A |
| Rating current 0°C | 100 A |
| Rating current 30°C | 100 A |
| Rating current 35°C | 100 A |
| Rating current 40°C | 100 A |
| Rating current 45°C | 100 A |
| Rating current 50°C | 100 A |

| | |
|--|-------------------------------|
| Rating current 55°C | 100 A |
| Rating current 60°C | 100 A |
| Rating current 65°C | 95 A |
| Rating current 70°C | 90 A |
| Dimensions | |
| Depth of installed product | 70 mm |
| Height of installed product | 85 mm |
| Width of installed product | 72 mm |
| Construction size (DIN 43880) | 1 |
| Frequency | |
| Frequency | 50 Hz |
| Power | |
| Total power loss under IN | 21,48 W |
| Tripping | |
| Short-time delayed tripping | No |
| Electrical specifications | |
| Operating voltage for test button circuit | 195...456 V |
| Endurance | |
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations | 20000 |
| Installation, mounting | |
| Type of top connection for modular devices | with screw |
| Type of top rail clip for modular devices | Plastic |
| Type of bottom rail clip for modular devices | metallic |
| Type of Bottom Connection for modular devices | Blconnect + bypass |
| Top removability for modular devices | Yes |
| Bottom removability for modular devices | No |
| Connection | |
| Connection cross-section at output with screw, for flexible conductor | 1 / 35 mm ² |
| Connection cross-section at output with screw, for massive conductor | 1 / 50 mm ² |
| Connection cross-section for rigid conductor, upstream terminals with screws | 1 / 50 mm ² |
| Connection cross-section of the access with screws, with flexible conductor | 1 / 35 mm ² |
| Equipment | |
| Quick connect | no |
| Type selective | No |
| Can be accessorized | Yes |
| With transparent product label holder | Yes |
| Standards | |
| Standard text | IEC 61008-1 AS/NZS 61008-1 |
| European directive WEEE | concerned |
| Safety | |
| Protection index IP | IP20 |
| Residual current type | A |

Subject to technical modifications

Use conditions

| | |
|---|-------------|
| Operating temperature | -25...60 °C |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Altitude | 2000 m |
| Storage/transport temperature | -55...70 °C |