



CDA684U

## RCCB 3P+N 100A 30mA A

## **Technical characteristics**

| Arc | hite | cti | ıro |
|-----|------|-----|-----|

| Number of poles         4 P           Type of pole         3P+N           Fixing mode         DIN rail type O (symmetrical)           Main electrical features         230 / 400 V           Rated operational voltage Ue         230 / 400 V           Frequency         50 Hz           Rated current         100 A           Type of supply voltage         AC           Voltage         440 V           Rated insulation voltage         500 V           Max operating voltage         400 V           Rated residual operating current         30 mA           Rated residual operating current         30 mA           Rated conditional short-circuit current inc         according to EN 61008-1         10 kA           Electric current / temperature         100 kA           Electric current Jore         100 A           Dimensions         100 A           Dimensions         2           Depth of installed product         70 mm           Height of installed product         70 mm           Width of installed product         72 mm           Power         1           Tripping         No           Fedurace         10000           Nort-time delayed tripping         No </th <th>Neutral position</th> <th>right</th> | Neutral position                       | right                         |  |
|---|--|-------------------------------|--|
| Fixing mode DIN rail type O (symmetrical)  Main electrical features  Rated operational voltage Ue 230 / 400 V Frequency 50 Hz Rated current 100 A Type of supply voltage AC  Voltage  Rated insulation voltage 500 V Max operating voltage 4400 V  Electric current Rated residual operating current 30 mA Rated conditional short-circuit current Inc according to EN 61008-1 100 kA  Electric current / temperature  Rating current 30 °C 100 A  Dimensions  Depth of installed product 70 mm Height of installed product 85 mm Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping Short-time delayed tripping No  Endurance Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity Number of modules 4  Equipment Quick connect no Can be accessorized 7 yes  Standards   | Number of poles                        | 4 P                           |  |
| Main electrical features       Rated operational voltage Ue     230 / 400 V       Frequency     50 Hz       Rated current     100 A       Type of supply voltage     AC       Voltage       Rated insulation voltage     500 V       Max operating voltage     440 V       Rated impulse withstand voltage     4000 V       Electric current     30 mA       Rated residual operating current Inc according to EN 61008-1     10 kA       Electric current / temperature     100 A       Rating current 30°C     100 A       Dimensions     70 mm       Depth of installed product     70 mm       Height of installed product     85 mm       Width of installed product     72 mm       Power     10tal power loss under IN     21,48 W       Tripping     No       Endurance     10000       Electric endurance in number of cycles     10000       Number of mechanical operations     20000       Capacity     4       Number of modules     4       Equipment     9       Quick connect     no       Can be accessorized     Yes       Standards  | Type of pole                           | 3P+N                          |  |
| Rated operational voltage Ue 230 / 400 V Frequency 50 Hz Rated current 100 A Type of supply voltage AC  Voltage Rated insulation voltage 500 V Max operating voltage 4400 V Electric current Rated residual operating current 30 mA Rated conditional short-circuit current Inc according to EN 61008-1 10 kA Electric current / temperature Rating current 30 °C 100 A Dimensions Depth of installed product 70 mm Height of installed product 85 mm Width of installed product 85 mm Width of installed product 72 mm Fower Total power loss under IN 21,48 W Tripping Short-time delayed tripping No Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Capacity Number of modules 4 Equipment Quick connect no  | Fixing mode                            | DIN rail type O (symmetrical) |  |
| Frequency 50 Hz Rated current 100 A Type of supply voltage AC Voltage Rated insulation voltage 500 V Max operating voltage 440 V Rated inpulse withstand voltage 4000 V Electric current Rated residual operating current 30 mA Rated conditional short-circuit current Inc according to EN 61008-1 10 kA Electric current / temperature Rating current 30 °C 100 A Dimensions Depth of installed product 70 mm Height of installed product 85 mm Width of installed product 72 mm Power Total power loss under IN 21,48 W Tripping Short-time delayed tripping No Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Capacity Number of modules 4 Equipment Quick connect no Can be accessorized 76s   | Main electrical features               |                               |  |
| Rated current 100 A Type of supply voltage AC  Voltage Rated insulation voltage 500 V Max operating voltage 4400 V Rated insulation voltage 4400 V Rated insulation voltage 4000 V Electric current Rated residual operating current 30 mA Rated conditional short-circuit current Inc according to EN 61008-1 10 kA Electric current / temperature Rating current 30 °C 100 A Dimensions Depth of installed product 70 mm Height of installed product 85 mm Width of installed product 72 mm Power Total power loss under IN 21,48 W Tripping Short-time delayed tripping No Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Capacity Number of modules 4 Equipment Quick connect no Can be accessorized 76s  | Rated operational voltage Ue           | 230 / 400 V                   |  |
| Type of supply voltage  Voltage  Rated insulation voltage 500 V  Max operating voltage 440 V  Rated impulse withstand voltage 4000 V  Electric current  Rated residual operating current 30 mA  Rated conditional short-circuit current Inc according to EN 61008-1 10 kA  Electric current / temperature  Rating current 30°C 100 A  Dimensions  Depth of installed product 70 mm Height of installed product 85 mm Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized 7es  | Frequency                              | 50 Hz                         |  |
| Voltage       Rated insulation voltage     500 V       Max operating voltage     4400 V       Rated impulse withstand voltage     4000 V       Electric current     30 mA       Rated residual operating current     30 mA       Rated conditional short-circuit current Inc according to EN 61008-1     10 kA       Electric current / temperature     100 A       Rating current 30°C     100 A       Dimensions     70 mm       Height of installed product     85 mm       Width of installed product     72 mm       Power     101 A       Total power loss under IN     21,48 W       Tripping     No       Endurance     10000       Number of mechanical operations     20000       Capacity     10000       Number of modules     4       Equipment     4       Quick connect     no       Can be accessorized     Yes       Standards   | Rated current                          | 100 A                         |  |
| Rated insulation voltage 500 V  Max operating voltage 440 V  Rated impulse withstand voltage 4000 V  Electric current  Rated residual operating current 30 mA  Rated conditional short-circuit current Inc according to EN 61008-1 10 kA  Electric current / temperature  Rating current 30 mC 100 A  Dimensions  Depth of installed product 70 mm  Height of installed product 85 mm  Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized 76s  | Type of supply voltage                 | AC                            |  |
| Max operating voltage 440 V Rated impulse withstand voltage 4000 V  Electric current  Rated residual operating current 30 mA Rated conditional short-circuit current Inc according to EN 61008-1 10 kA  Electric current / temperature  Rating current 30°C 100 A  Dimensions  Depth of installed product 70 mm Height of installed product 85 mm  Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping Short-time delayed tripping No  Endurance Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment Quick connect no Can be accessorized 75 services 10000  Standards   | Voltage                                |                               |  |
| Rated impulse withstand voltage 4000 V  Electric current  Rated residual operating current 30 mA Rated conditional short-circuit current Inc according to EN 61008-1 10 kA  Electric current / temperature  Rating current 30°C 100 A  Dimensions  Depth of installed product 70 mm Height of installed product 85 mm  Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no Can be accessorized 75 services 1000 Ves Standards  | Rated insulation voltage               | 500 V                         |  |
| Electric current  Rated residual operating current Rated conditional short-circuit current Inc according to EN 61008-1 10 kA  Electric current / temperature  Rating current 30°C 1000 A  Dimensions  Depth of installed product 70 mm  Height of installed product 85 mm  Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards   | Max operating voltage                  | 440 V                         |  |
| Rated residual operating current Rated conditional short-circuit current Inc according to EN 61008-1 100 kA  Electric current / temperature  Rating current 30°C 100 A  Dimensions  Depth of installed product 70 mm Height of installed product 85 mm  Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards  | Rated impulse withstand voltage        | 4000 V                        |  |
| Rated conditional short-circuit current Inc according to EN 61008-1 10 kA  Electric current / temperature  Rating current 30°C 100 A  Dimensions  Depth of installed product 70 mm Height of installed product 85 mm  Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no Can be accessorized Yes  Standards   | Electric current                       |                               |  |
| according to EN 61008-1 10 kA  Electric current / temperature  Rating current 30°C 1000 A  Dimensions  Depth of installed product 70 mm  Height of installed product 85 mm  Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards  | Rated residual operating current       | 30 mA                         |  |
| Rating current 30°C 100 A  Dimensions  Depth of installed product 70 mm Height of installed product 85 mm  Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards   |  | 10 kA                         |  |
| Dimensions  Depth of installed product 70 mm  Height of installed product 85 mm  Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards   | Electric current / temperature         |                               |  |
| Depth of installed product 85 mm Height of installed product 72 mm Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping Short-time delayed tripping No  Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment Quick connect no Can be accessorized Yes  Standards  | Rating current 30°C                    | 100 A                         |  |
| Height of installed product 72 mm  Width of installed product 72 mm  Power  Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards   | Dimensions                             |                               |  |
| Width of installed product72 mmPowerTotal power loss under IN21,48 WTrippingNoEnduranceElectric endurance in number of cycles10000Number of mechanical operations20000CapacityNumber of modules4EquipmentQuick connectnoCan be accessorizedYesStandards   | Depth of installed product             | 70 mm                         |  |
| Power Total power loss under IN 21,48 W Tripping Short-time delayed tripping No Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Capacity Number of modules 4 Equipment Quick connect no Can be accessorized Yes Standards  | Height of installed product            | 85 mm                         |  |
| Total power loss under IN 21,48 W  Tripping  Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards   | Width of installed product             | 72 mm                         |  |
| Tripping Short-time delayed tripping No Endurance Electric endurance in number of cycles Number of mechanical operations Capacity Number of modules 4 Equipment Quick connect no Can be accessorized Yes Standards  | Power                                  |                               |  |
| Short-time delayed tripping No  Endurance  Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards  | Total power loss under IN              | 21,48 W                       |  |
| Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards   | Tripping                               |                               |  |
| Electric endurance in number of cycles 10000  Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards   | Short-time delayed tripping            | No                            |  |
| Number of mechanical operations 20000  Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards   | Endurance                              |                               |  |
| Capacity  Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards  | Electric endurance in number of cycles | 10000                         |  |
| Number of modules 4  Equipment  Quick connect no  Can be accessorized Yes  Standards  | Number of mechanical operations        | 20000                         |  |
| Equipment  Quick connect no  Can be accessorized Yes  Standards   | Capacity                               |                               |  |
| Quick connect no Can be accessorized Yes Standards  | Number of modules                      | 4                             |  |
| Can be accessorized Yes  Standards  | Equipment                              |                               |  |
| Standards   | Quick connect                          | no                            |  |
|   | Can be accessorized                    | Yes                           |  |
| Standard text EN 61008-1  | Standards                              |                               |  |
|   | Standard text                          | EN 61008-1                    |  |

| European directive WEEE | concerned |
|-------------------------|-----------|
| Safety                  |           |
| Protection index IP     | IP20      |
| Residual current type   | А         |
| Use conditions          |           |
| Operating temperature   | -2560 °C  |