

**Cod. CA20000G3LE4**

**Standard and Approvals**

- Switch according to IEC/EN 60947-3
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Suitable as Manual Motor Controller



(purely indicative picture)

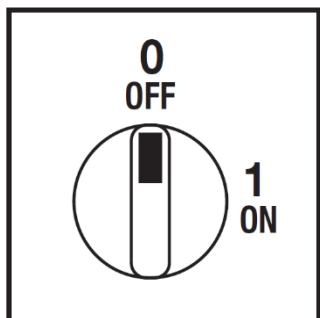
**Technical characteristics**

- ON-OFF switch 3 pole with padlockable handle
- IP00 Protection degree
- Rated operational current Ie: 160A (AC-21A)
- Rated thermal current Ith: 200A
- Rated insulation voltage Ui: 690V
- Panel mounting
- Switching angle: 90°
- Self-extinguishing thermosetting/thermoplastic class V2 housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, made of silver and alloy

**Technical characteristics: Plate and knob**

- Yellow plate 105x105mm and red padlockable knob (max 3 padlocks)

**Positions**



**Electrical diagram**



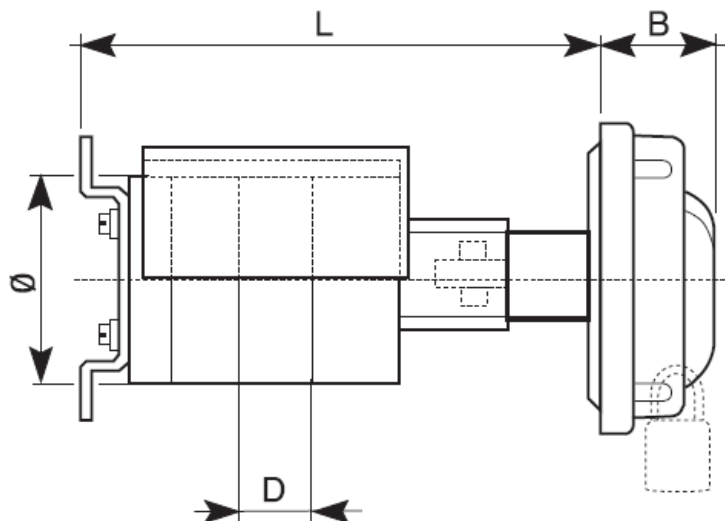
**Electrical function**

|         |          |          |   |   |          |   |   |    |     |
|---------|----------|----------|---|---|----------|---|---|----|-----|
|         | <b>0</b> |          |   |   |          |   |   | CR | 90° |
|         | <b>1</b> | X        | X | X |          |   |   | CA |     |
| Contact |          | 1        | 2 | 3 | 4        | 5 | 6 | 7  | 8   |
| Element |          | <b>1</b> |   |   | <b>2</b> |   |   | CQ |     |
|         |          | Angle    |   |   |          |   |   |    |     |

**Cod. CA20000G3LE4**

Measures in mm (in)

**Dimensions**

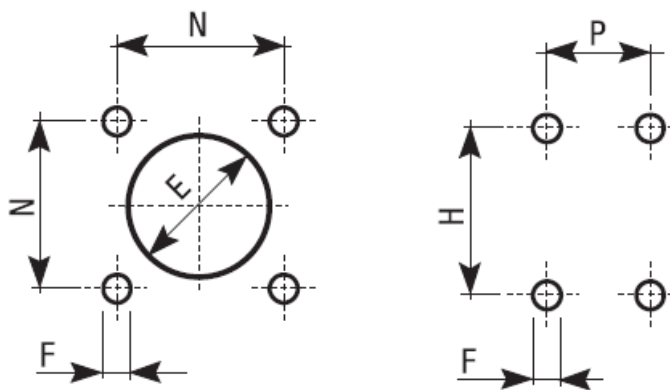


CA 200  
D = 39  
1.54  
Ø = 110  
4.33

|        |             |
|--------|-------------|
| L (mm) | 200 - 204   |
| L (in) | 7.87 - 8.03 |

|         |        |
|---------|--------|
|         | B (mm) |
| LE3-LN3 | 44     |
| LE4-LN4 | 62     |

**Drilling templates**



Misure (mm)

| cod.    | N      | E  | F   | H      | P      |
|---------|--------|----|-----|--------|--------|
| LE3/LN3 | 65÷85  | 40 | 5,3 | 84     | 26     |
| LE4/LN4 | 94÷110 | 50 | 5,3 | 94÷110 | 94÷110 |

### Cod. CA20000G3LE4

| <b>Technical data IEC 947-3 EN 60947-3</b>  |                     |                          |                  |                    |
|---|---------------------|--------------------------|------------------|--------------------|
| Rated insulation voltage  | Ui                  | V                        | 690              |                    |
| Rated operating voltage   | Ue                  | V                        | 690              |                    |
| Rated impulse withstand voltage   | Uimp                | kV                       | 6                |                    |
| Rated thermal current for open switch   | Ith                 | A                        | 200              |                    |
| Rated thermal current for enclosed switch   | Ithe                | A                        | 160              |                    |
| Rated operation frequency   |                     | Hz                       | 50/60            |                    |
| Power dissipation for each pole   |                     | W                        | 7                |                    |
| <b>Rated operating current</b>  |                     |                          |                  |                    |
| AC-21A Switching resistive loads, including moderate overloads                            | Ie                  | A                        | 160 <sup>5</sup> |                    |
| AC-22A Switching of mixed resistive and inductive loads, including moderate overloads     | Ie                  | A                        | 160              |                    |
| AC-20A Connecting and disconnecting under no loads conditions                             |                     |                          | -                |                    |
| <b>Rated operating power</b>  |                     |                          |                  |                    |
| AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole          | 230V                | Kw (A)                   | 40 (125)         |                    |
|   | 400V                | Kw (A)                   | 59 (106)         |                    |
|   | 500V                | Kw (A)                   | 75 (108)         |                    |
|   | 690V                | Kw (A)                   | -                |                    |
| AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole          | 110V                | Kw (A)                   | 11 (125)         |                    |
|   | 230V                | Kw (A)                   | 22 (120)         |                    |
| AC-3 Squirrel cage motors: starting, switching off motors during running 3 phase - 3 pole | 230V                | Kw (A)                   | 30 (95)          |                    |
|   | 400V                | Kw (A)                   | 45 (82)          |                    |
|   | 500V                | Kw (A)                   | 59 (85)          |                    |
|   | 690V                | Kw (A)                   | -                |                    |
| AC-3 Squirrel cage motors: starting, switching off motors during running 1 phase - 2 pole | 110V                | Kw (A)                   | 9 (102)          |                    |
|   | 230V                | Kw (A)                   | 15 (82)          |                    |
|   | 400V                | Kw (A)                   | -                |                    |
| AC-4 Squirrel cage motors: starting, pluggign, inching                                    | 230V                | Kw (A)                   | -                |                    |
|   | 400V                | Kw (A)                   | -                |                    |
| AC-15 Control of a.c electromagnetic loads  | 230V                | A                        | -                |                    |
|   | 400V                | A                        | -                |                    |
| Rated breaking capability in AC-23A (cos φ=0,45)  | 230V                | A                        | 1000             |                    |
|   | 400V                | A                        | 848              |                    |
| <b>Short circuit protection</b>   |                     |                          |                  |                    |
| Rated short time withstand current  | Icw                 | A                        | 2000             |                    |
| Rated short-circuit make capacity   | Icm                 | A                        | 3000             |                    |
| Rated conditional short-circuit current   | -                   | kA                       | 15               |                    |
| With fuses class gG   | 500V                | A                        | 200              |                    |
| <b>Technical data UL/CSA</b>  |                     |                          |                  |                    |
| Rated operating voltage   | Ue                  | UL/CSA V                 | 600/-            |                    |
| General use current   | Ie                  | UL/CSA A                 | 240/-            |                    |
| Short circuit rating @600Vac  |                     | Arms                     | -                |                    |
| Fuse size (Class RKS, 600Vac, 200kA A.I.C.)   |                     | A                        | -                |                    |
| <b>Rated operating power</b>  |                     |                          |                  |                    |
| 1 phase - 2 pole  | 120V                | Hp (A)                   | -                |                    |
|   | 240V                | Hp (A)                   | -                |                    |
| 3 phase - 3 pole  | 200V                | Hp (A)                   | -                |                    |
|   | 240V                | Hp (A)                   | -                |                    |
|   | 480V                | Hp (A)                   | -                |                    |
|   | 600V                | Hp (A)                   | -                |                    |
| <b>Mechanical characteristics</b>   |                     |                          |                  |                    |
| Mechanical life   |                     | Cycles x 10 <sup>6</sup> | 0,1              |                    |
|   |                     | Cycles/hr                | 120              |                    |
| <b>Connection according to IEC 9471-1 and EN 50947-1</b>                                  |                     |                          |                  |                    |
| Connecting capability   | With flexible wires | Min-Max                  | mm <sup>2</sup>  | 50-70 <sup>1</sup> |
|   |                     | Min-Max                  | AWG              | 1/0-2/0            |
| Connection terminal screw dimensions  | With solid wires    | Min-Max                  | mm <sup>2</sup>  | 16-35              |
|   |                     |                          | Type             | M10                |
| Screw tightening torque   |                     | Nm                       | 23               |                    |
| <b>Protection degree IEC 529 EN 60529</b>   |                     |                          |                  |                    |
| Terminals   |                     | IP                       | 00               |                    |
| <b>Ambient conditions</b>   |                     |                          |                  |                    |
| Operating ambient temperature   |                     | °C                       | -25 ÷ +55        |                    |
| Storage ambient temperature   |                     | °C                       | -30 ÷ +70        |                    |
| Withstand to constant humid according to IEC 60068  |                     |                          | 2-78             |                    |
| Withstand to cyclic humid according to IEC 60068  |                     |                          | 2-30             |                    |

Notes:

<sup>1</sup> = Terminals for M10 bolts

<sup>5</sup> = at 500V