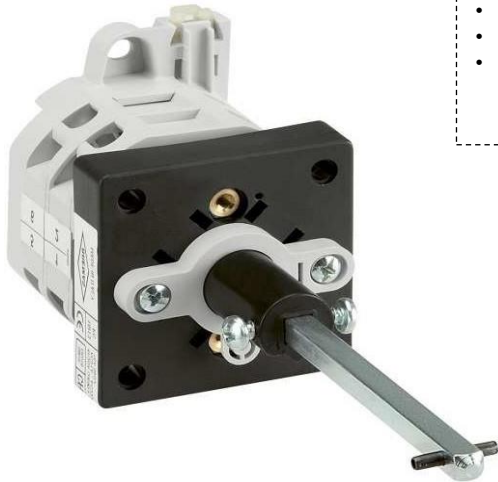


**Cod. CR03200G3BL6**



(Image is purely indicative)



### 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



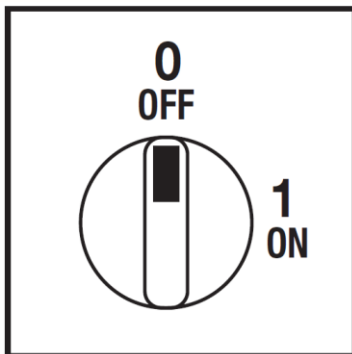
### Technical characteristics: Body

- ON-OFF switch 3 pole with padlockable handle
- IP20 Protection degree
- Rated operational current Ie: 32A (AC-21A)
- Rated thermal current Ith: 40A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 28mm vertical or DIN rail
- Switching angle: 90°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.

### Technical characteristics: Knob

- Yellow plate 67x67mm and red padlockable knob (max. 3 padlocks)
- IP66 Protection degree
- Fixing with 2 screw at 28mm vertical or 2 screw at 36mm horizontal

### Positions



### Electrical diagram



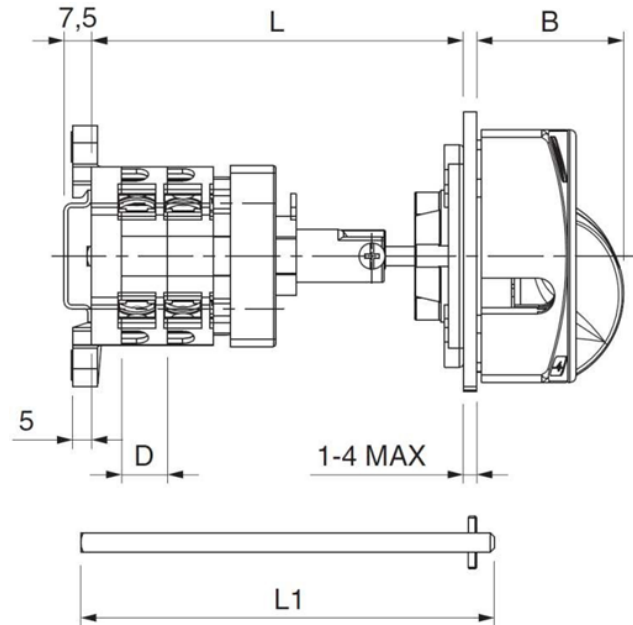
### Electrical function

|         |          |          |   |   |          |   |   |       |     |
|---------|----------|----------|---|---|----------|---|---|-------|-----|
|         | <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> |   |   | Angle |     |

**Cod. CR03200G3BL6**

measures in mm (in)

**Dimensions**



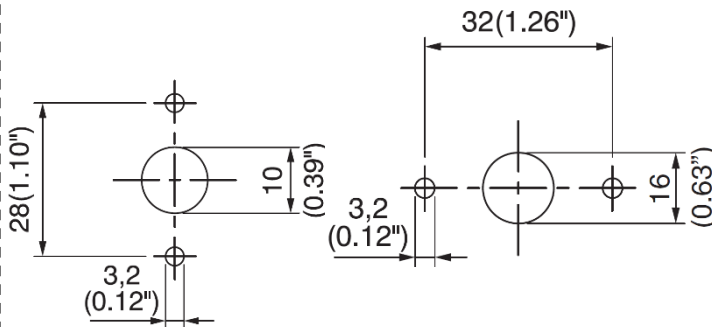
| D            | B          | L1           | L           |              |
|--------------|------------|--------------|-------------|--------------|
|              |            |              | L min       | L max        |
| 12,2 (0.64") | 39 (1.54") | 175 (6.89")* | 109 (4.29") | 253 (9.96")  |
|              |            | 300 (11.81") | 109 (4.29") | 378 (14.88") |
|              |            | 500 (19.69") | 109 (4.29") | 578 (22.76") |

L: Overall length (min\*\*/max with shaft mounted (L1))

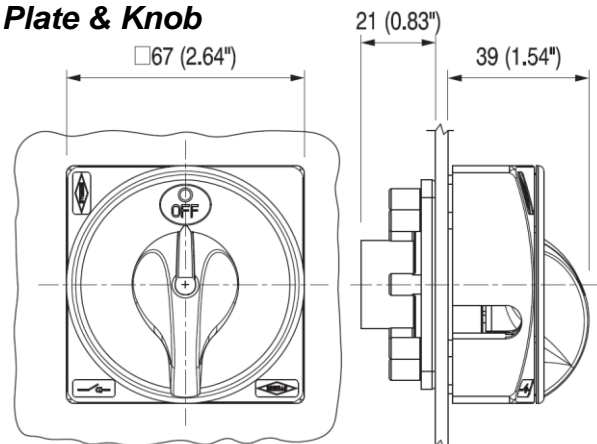
\* Standard shaft, supplied in the packaging of the base mounting switches

\*\* L min can be obtained by cutting shaft

**Drilling templates**



**Plate & Knob**



### Cod. CR03200G3BL6

| <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                        | 40              |           |
| Rated thermal current for enclosed switch   | Ithe                | A                        | 40              |           |
| Rated operation frequency   |                     | Hz                       | 50/60           |           |
| Power dissipation for each pole   |                     | W                        | 1               |           |
| <b>Rated operating current</b>  |                     |                          |                 |           |
| AC-21A Switching resistive loads, including moderate overloads                            | Ie                  | A                        | 32              |           |
| AC-22A Switching of mixed resistive and inductive loads, including moderate overloads     | Ie                  | A                        | 25              |           |
| 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)                   | 8,5 (27)        |           |
|   | 400V                | Kw (A)                   | 15 (27)         |           |
|   | 500V                | Kw (A)                   | 15 (22)         |           |
|   | 690V                | Kw (A)                   | 15 (16)         |           |
| AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole          | 110V                | Kw (A)                   | 2,2 (25)        |           |
|   | 230V                | Kw (A)                   | 3,7 (20)        |           |
| AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole | 230V                | Kw (A)                   | 5,5 (17)        |           |
|   | 400V                | Kw (A)                   | 10 (17)         |           |
|   | 500V                | Kw (A)                   | 10 (14)         |           |
|   | 690V                | Kw (A)                   | 10 (10)         |           |
| AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole | 110V                | Kw (A)                   | 1,5 (17)        |           |
|   | 230V                | Kw (A)                   | 3 (17)          |           |
|   | 400V                | Kw (A)                   | -               |           |
| AC-4 Squirrel cage motors: starting, pluggin, inching                                     | 230V                | Kw (A)                   | 2,2 (17)        |           |
|   | 400V                | Kw (A)                   | 3 (5,5)         |           |
| AC-15 Control of a.c electromagnetic loads  | 230V                | A                        | 8               |           |
|   | 400V                | A                        | 6               |           |
| Rated breaking capability in AC-23A (cos φ=0,45)  | 230V                | A                        | 216             |           |
|   | 400V                | A                        | 216             |           |
| <b>Short circuit protection</b>   |                     |                          |                 |           |
| Rated short time withstand current  | Icw                 | A                        | 400             |           |
| Rated short-circuit make capacity   | Icm                 | A                        | 2000            |           |
| Rated conditional short-circuit current   | -                   | kA                       | 10              |           |
| With fuses class gG   | 500V                | A                        | 35              |           |
| <b>Technical data UL/CSA</b>  |                     |                          |                 |           |
| Rated operating voltage   | Ue                  | UL/CSA V                 | 600/600         |           |
| General use current   | Ie                  | UL/CSA A                 | 35/25           |           |
| Short circuit rating @600Vac  |                     | Arms                     | 5000            |           |
| Fuse size (Class RK5, 600Vac, 200kA A.I.C.)   |                     | A                        | 60              |           |
| <b>Rated operating power</b>  |                     |                          |                 |           |
| 1 phase - 2 pole  | 120V                | Hp (A)                   | 2 (24)          |           |
|   | 240V                | Hp (A)                   | 3 (17)          |           |
| 3 phase - 3 pole  | 200V                | Hp (A)                   | 5 (17,5)        |           |
|   | 240V                | Hp (A)                   | 7,5 (22)        |           |
|   | 480V                | Hp (A)                   | 10 (14)         |           |
|   | 600V                | Hp (A)                   | 15 (17)         |           |
| <b>Mechanical characteristics</b>   |                     |                          |                 |           |
| Panel tickness  | Max                 | mm                       | 4               |           |
| Mechanical life   |                     | Cycles x 10 <sup>6</sup> | 1,5             |           |
|   |                     | 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> | 2x2,5-10  |
|   |                     | Min-Max                  | AWG             | 14-8      |
|   | With solid wires    | Min-Max                  | mm <sup>2</sup> | 2x2,5-16  |
| Connection terminal screw dimensions  |                     | Type                     |                 | M4        |
| Screw tightening torque   |                     | Nm                       |                 | 1,7       |
| <b>Protection degree IEC 529 EN 60529</b>   |                     |                          |                 |           |
| Terminals   |                     | IP                       |                 | 20        |
| <b>Ambient conditions</b>   |                     |                          |                 |           |
| Operating ambient temperature   |                     | °C                       |                 | -25 ÷ +55 |
| Storage ambient temprature  |                     | °C                       |                 | -30 ÷ +70 |
| Withstand to constant humid according to IEC 60068  |                     |                          |                 | 2-78      |
| Withstand to cyclic humid according to IEC 60068  |                     |                          |                 | 2-30      |