



Cod. DS0204RRL6

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

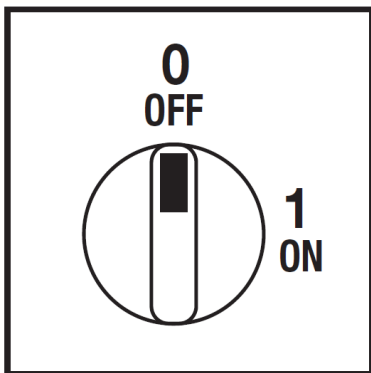
- Disconnect switch 3+N
- IP20 protection degree
- Rating operational current Ie: 20A (AC-21A)
- Rating thermal current Ith: 25A
- Rating insulation voltage: 690V
- Rear Mounting
- Fixing with 2 screw at 28mm (1,10")
- Switching angle: 90°
- Positive opening double break contacts, silver alloy made.
- Self-extinguishing class V2

Technical characteristics: Plate and knob

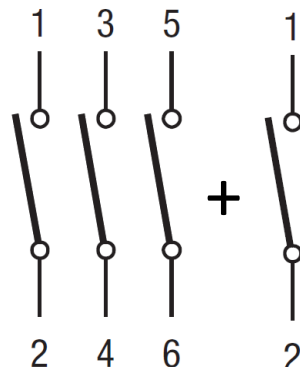
- Yellow plate 67x67mm and red padlockable knob (max. 3 padlocks)
- Protection degree IP66
- Fixing with 2 screw at 28mm (1,10")



Plate and position



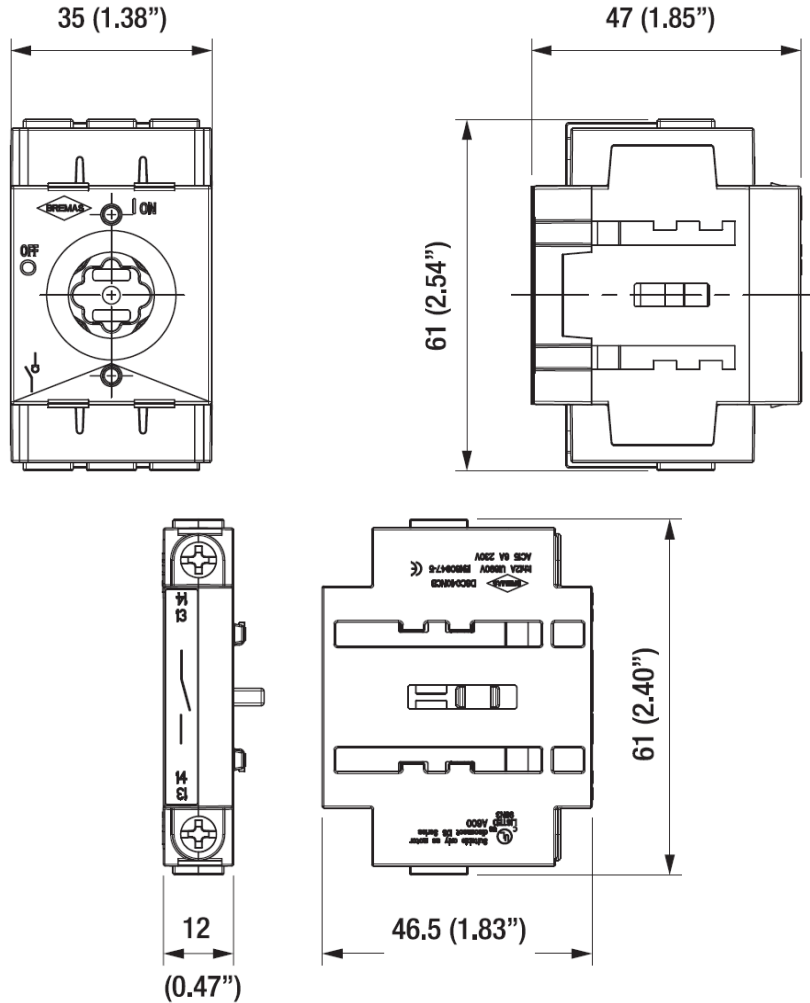
Electrical scheme



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measures in mm (in)

Dimensions



Drilling templates

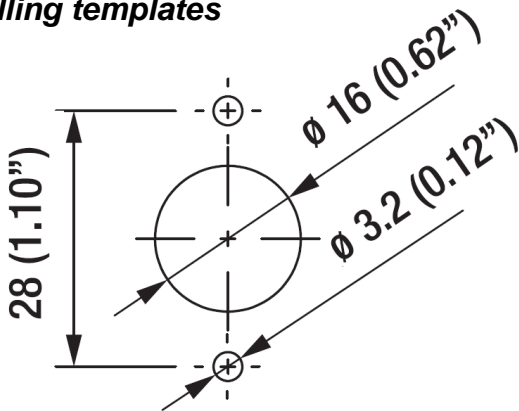
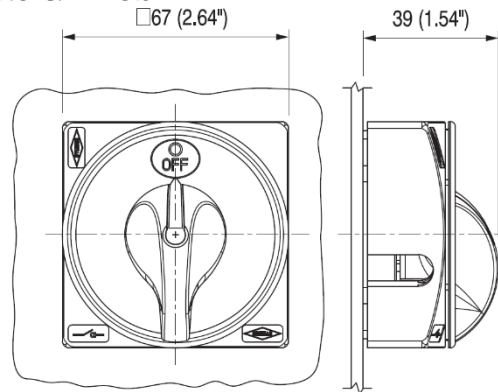


Plate & Knob



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| Technical data IEC 947-3 EN 60947-3 | | | | |
|--|---------|-----------------------------|---------------------|-----|
| Rated insulation voltage | Ui | V | 800 | |
| Rated operating voltage | Ue | V | 800 | |
| Rated impulse withstand voltage | Uimp | kV | 8 | |
| Rated thermal current for open switch | Ith | A | 25 | |
| Rated thermal current for enclosed switch | Ithe | A | 25 | |
| Rated operation frequency | | Hz | 50/60 | |
| Power dissipation for each pole | | W | 0,6 | |
| Rated operating current Ie | | | | |
| AC-21A Switching resistive loads, including moderate overloads | 690V | Ie | A | 20 |
| AC-22A Switching of mixed resistive and inductive loads, including moderate overloads | 690V | Ie | A | 20 |
| Rated operating power | | | | |
| AC-23A Switching of motor loads or other highly inductive loads | 400V | Kw (A) | 9 (18) | |
| | 690V | Kw (A) | 9 (13) | |
| AC-3 Squirrel cage motors: starting, switching off motors during running | 400V | Kw (A) | 5,5 (10) | |
| | 690V | Kw (A) | 5,5 (6) | |
| Rated breaking capability in category AC-23A (cos φ=0,45) | 400V | A | 144 | |
| | 690V | A | 104 | |
| Short circuit protection | | | | |
| Rated short time withstand current (1s) | Icw | A | 300 | |
| Rated short-circuit make capacity | Icm | A | 750 | |
| Rated conditional short-circuit current | | kA | 10 | |
| With fuses class gG | 500V | A | 20 | |
| Technical data UL/CSA (sec. UL508) | | | | |
| General use voltage | | Ue | V | 600 |
| General use current | 600Vac | Ie | A | 20 |
| Rated operating power | | | | |
| 1 phase - 2 pole | 120V | Hp/FLA | 1 / - | |
| | 240V | Hp/FLA | 2 / - | |
| | 200V | Hp/FLA | - / - | |
| 3 phase - 3 pole | 240V | Hp/FLA | 5 / 15,2 | |
| | 480V | Hp/FLA | 10 / 14 | |
| | 600V | Hp/FLA | 15 / 17 | |
| Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac) | | A | 20 | |
| Short Circuit Rating@600Vac | | kA | 5 | |
| Mechanical characteristics | | | | |
| Mechanical life (120 cycles/hour) | | Operations x10 ⁶ | 0,03 | |
| Connecting capability with flexible wires | Min-Max | mm ² | 1,5 - 10 | |
| Connecting capability with solid wires | Min-Max | mm ² | 1,5 - 16 | |
| Connecting capability with flexible wires | Min-Max | AWG | 16/08 | |
| Connecting capability with solid wires | Min-Max | AWG | 16/06 | |
| Terminal screw | | | M4 | |
| Screw tightening torque | | Nm | 1,7 | |
| | | lbf-in | 12 | |
| Protection degree IEC 529 EN 60529 | | | | |
| Terminals | | | IP20 | |
| Handles | | | IP66 | |
| Ambient conditions | | | | |
| Operational ambient temperature | | °C | -25 ÷ +55 | |
| Storage ambient temperature | | °C | -25 ÷ +55 | |
| Withstand to constant humid according to IEC 60068 | | | sec. IEC 60068-2-78 | |
| Withstand to cycling humid according to IEC 60069 | | | sec. IEC 60068-2-30 | |