

 Bremas Ersce SpA

 Via castellazzo 9 - 20040 Cambiago (MI)

 Tel +39 02 95651611 Fax +39 02 95651639

 www.bremas.eu
 info@bremas.it

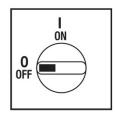
ISO 9001 Certified Quality System

Cod. DS0503BAL6





Plate and position



Standard and Approvals

- Suitable as Manual Motor Controller
- Certified UL508 and CSA C22.2 No. 14-13
- Disconnect switch according to IEC/EN 60947-3

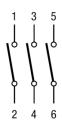
Technical characteristics: Body

- Disconnect switch 3P
- IP20 protection degree
- Rating operational current: 50A
- Rating thermal current: 50A
- Rating insulation voltage: 690V
 - Base Mounting
 - Fixing: with screw
 - Din rail
 - Switching angle: 90°
 - Positive opening double break contacts, silver alloy made.
 - Self-extinguishing class V0

Technical characteristics: Plate and knob

- Yellow plate 67x67mm and red padlockable knob (max. 3 padlocks)
- Protection degree IP66
- Fixing: 2 screw at 28mm vertical
 - 2 screw at 32mm horizontal

Electrical scheme



© 2014 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information on installation and operation are provided to the best of our knowledge. In any case, this does not mean that the features described may derive legal responsibilities that extend beyond the "Terms and Conditions" of Bremas Ersce. The customer / user is not absolved from the obligation to examine our information and recommendations and the relevant technical regulations before using the products for their own purposes.

Cod. DS0503BAL6

ISO 9001 Certified Quality System

Via castellazzo 9 - 20040 Cambiago (MI)

Tel +39 02 95651611 Fax +39 02 95651639

info@bremas.it

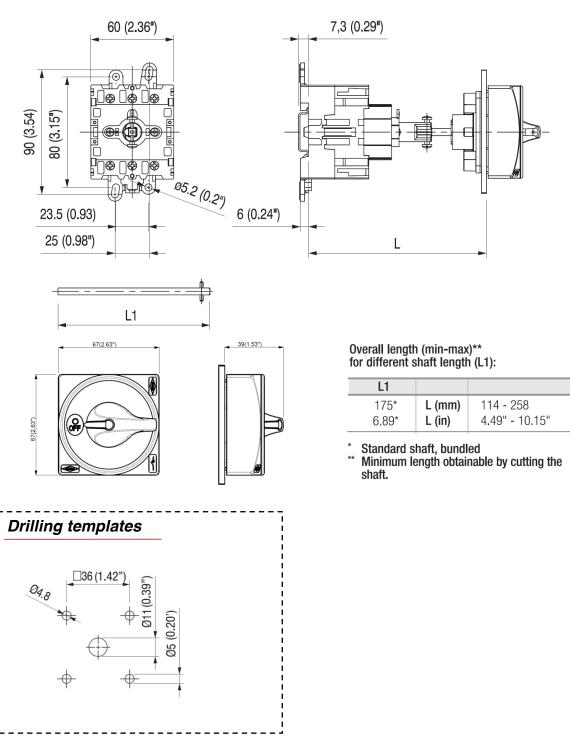
measures in mm (in)

Bremas Ersce SpA

www.bremas.eu

BREMAS

Dimensions



© 2014 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information on installation and operation are provided to the best of our knowledge. In any case, this does not mean that the features described may derive legal responsibilities that extend beyond the "Terms and Conditions" of Bremas Ersce. The customer / user is not absolved from the obligation to examine our information and recommendations and the relevant technical regulations before using the products for their own purposes.



 Bremas Ersce SpA

 Via castellazzo 9 - 20040 Cambiago (MI)

 Tel +39 02 95651611 Fax +39 02 95651639

 www.bremas.eu
 info@bremas.it

ISO 9001 Certified Quality System

Cod. DS0503BAL6

| Technical data IEC 947-3 EN 60947-3 | | | | |
|---|--------|-----------------------------|----------|------------------------|
| 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 | А | 50 |
| Rated thermal current for enclosed switch | | Ithe | А | 50 |
| Rated operation frequency | | | Hz | 50 |
| Power dissipation for each pole | | | w | 4,6 |
| Rated operating current le | | | | |
| AC-21A Switching resistive loads, including moderate overloads | 690V | le | А | 50 |
| AC-22A Switching of mixed resistive and inductive loads, including moderate overloads | 690V | le | А | 50 |
| Rated operating power | | | | |
| AC-23A Switching of motor loads or other highly inductive loads | | 400V | Kw (A) | 22 (40) |
| | | 690V | Kw (A) | 18,5 (19) |
| | | 400V | Kw (A) | 18,5 (33) |
| AC-3 Squirrel cage motors: starting, switching off motors during running | | 690V | Kw (A) | 15 (16) |
| Rated breaking capability in category AC-23A (cos ϕ =0,45) | | 400V | A | 320 |
| | | 690V | A | - |
| Short circuit protection | | | | |
| Rated short time withstand current (1s) | | lcw | A | 1500 |
| Rated short-circuit make capacity | | lcm | A | 2000 |
| Rated and/t short short-circuit current | | | kA | 15 |
| With fuses class gG | | 500V | A | 63 |
| Fechnical data UL/CSA (sec. UL508) | | 5001 | | |
| Seneral use voltage | | Ue | V | 600 |
| | 600Vac | le | A | 80 |
| General use current | 600vac | ie | ~ | 80 |
| Rated operating power | | 120V | Hp/FLA | 3/34 |
| 1 phase - 2 pole | | | | 3/34 |
| | | 240V | Hp/FLA | |
| 3 phase - 3 pole | | 200V | Hp/FLA | 7,5/25,3 |
| | | 240V | Hp/FLA | 15/42 |
| | | 480V | Hp/FLA | 20/27 |
| | | 600V | Hp/FLA | 30/32 |
| Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac) | | | A | 225 |
| Short Circuit Rating@600Vac | | | kA | 10 |
| Mechanical characteristics | | | | |
| Mechanical life (120 cycles/hour) | | Operations x10 ⁶ | | 0,1 |
| Connecting capability with flexible wires | | Min-Max | mm2 | 6-35 |
| Connecting capability with solid wires | | Min-Max | mm2 | 10-50 |
| Connecting capability with flexible wires | | Min-Max | AWG | 10/01 |
| Connecting capability with solid wires | | Min-Max | AWG | 08/01 |
| Terminal screw | | | | M5 |
| Screw tightening torque | | | Nm | 2,8 |
| | | | lbf-in | 24 |
| Protection degree IEC 529 EN 60529 | | | | |
| Terminals | | | | IP20 |
| | | | | IP66 |
| Handles | | | | |
| | | | | |
| Ambient conditions | | | °C | -25 ÷ +70 |
| Ambient conditions Operational ambient temperature | | | °C °C | -25 ÷ +70 -40 ÷ +85 |
| Handles Ambient conditions Operational ambient temperature Storage ambient temperature Withstand to constant humid according to IEC 60068 | | | | |

© 2014 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information on installation and operation are provided to the best of our knowledge. In any case, this does not mean that the features described may derive legal responsibilities that extend beyond the "Terms and Conditions" of Bremas Ersce. The customer / user is not absolved from the obligation to examine our information and recommendations and the relevant technical regulations before using the products for their own purposes.