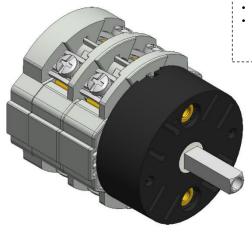
Via castellazzo 9 - 20040 Cambiago (MI)
Tel +39 02 95651611 Fax +39 02 95651639
www.bremas.eu info@bremas.it

ISO 9001 Certified Quality System

Cod. CA0200007PL2



(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



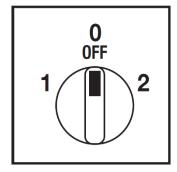
Technical characteristics: Body

- Change-over switch 3 pole
- IP00 Protection degree
- Rated operational current le: 20A (AC-21A)
- Rated thermal current Ith: 25A
- · Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 60°
 - 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.

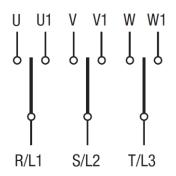
Technical characteristics: Knob

- Transparent plate 75,5x75,5mm and black knob
- Fixing with 2 screws at 28mm vertical
- IP 40 Protection degree

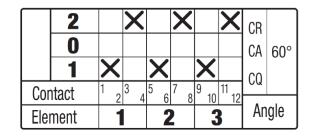
Positions



Electrical diagram



Electrical function



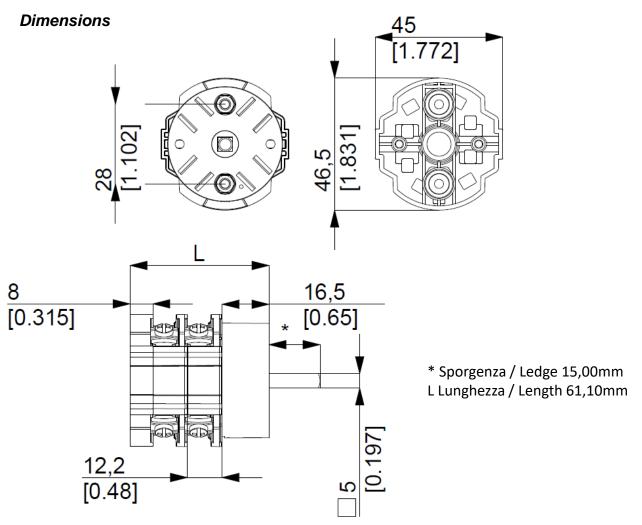


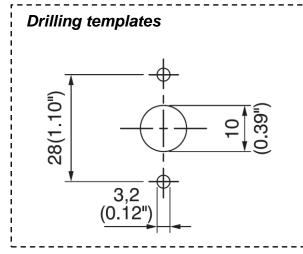
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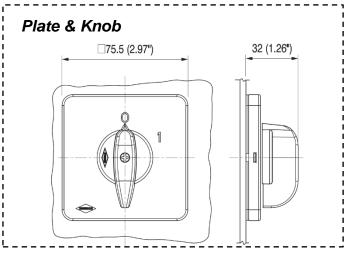
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measures in mm (in)









Bremas Ersce SpA

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Cod. CA0200007PL2

| 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 |
| tated thermal current for open switch | | Ith | Α | 25 |
| Rated thermal current for enclosed switch | | Ithe | Α | 25 |
| lated operation frequency | | | Hz | 50/60 |
| Power dissipation for each pole | | | W | 1 |
| Rated operating current | | | | |
| AC-21A Switching resistive loads, including moderate overloads | | le | Α | 20 |
| C-22A Switching of mixed resistive and inductive loads, including moderate overloads | | le | A | 16 |
| AC-20A Connecting and disconnecting under no loads conditions lated operating power | | | | - |
| AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole | | | Kw (A) | 5,5 (17) |
| AC-25A SWITCHING OF MICLOF IOAUS OF OUTER HIGHLY MULLIVE IOAUS 5 phase - 5 pole | | 230V 400V | Kw (A) | 9 (16) |
| | | 500V | Kw (A) | 9 (13) |
| | | 690V | Kw (A) | 9 (9) |
| AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole | | 110V | Kw (A) | 1,1 (12) |
| io 251 Stricturing of motor loads of other mgm) modeline loads 1 phase 2 pole | | 230V | Kw (A) | 3 (17) |
| .C-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole | | 230V | Kw (A) | 4 (13) |
| | | 400V | Kw (A) | 7,5 (14) |
| | | 500V | Kw (A) | 7,5 (11) |
| | | 690V | Kw (A) | 7,5 (8) |
| C-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole | | 110V | Kw (A) | 1,1 (13) |
| | | 230V | Kw (A) | 2,2 (12) |
| | | 400V | Kw (A) | 3,7 (12) |
| C-4 Squirrel cage motors: starting, pluggign, inching | | 230V | Kw (A) | 1,5 (4,5) |
| | | 400V | Kw (A) | 2,2 (2,6) |
| AC-15 Control of a.c electromagnetic loads | | 230V | Α | 7 |
| | | 400V | Α | 5 |
| ated breaking capability in AC-23A (cos φ=0,45) | | 230V | Α | 136 |
| | | 400V | A | 128 |
| hort circuit protection | | | | |
| lated short time withstand current | | Icw | А | 240 |
| lated short-circuit make capacity | | Icm | A | 1500 |
| lated conditional short-circuit current | | - | kA | 5 |
| Vith fuses class gG | | 500V | A | 20 |
| rechnical data UL/CSA tated operating voltage | | Ue | UL/CSA V | 600/300 |
| General use current | | le | UL/CSA A | 20/16 |
| hort circuit rating @600Vac | | ie | Arms | 5000 |
| use size (Class RK5, 600Vac, 200kA A.I.C.) | | | A | 60 |
| tated operating power | | | ** | - 55 |
| phase - 2 pole | | 120V | Hp (A) | 1,5 (20) |
| • | | 240V | Hp (A) | 3 (17) |
| phase - 3 pole | | 200V | Hp (A) | 5 (16,7) |
| | | 240V | Hp (A) | 7,5 (22) |
| | | 480V | Hp (A) | 10 (14) |
| | | 600V | Hp (A) | 10 (11) |
| Nechanical characteristics | | | | |
| anel tickness | | Max | mm | 4 |
| Mechanical life | | | Cycles x 10 ⁶ | 2 |
| | | | Cycles/hr | 120 |
| onnection according to IEC 9471-1 and EN 50947-1 | | | | |
| onnecting capability | With flexible wires | Min-Max | mm² | 2x1,5-4 |
| | | Min-Max | AWG | 16-10 |
| | With solid wires | Min-Max | mm² | 2x1,5-6 |
| | | | Туре | M3,5 |
| | | | Nm | 1 |
| crew tightening torque | | | | |
| crew tightening torque rotection degree IEC 529 EN 60529 | | | | |
| crew tightening torque rotection degree IEC 529 EN 60529 erminals | | | IP | 00 |
| onnection terminal screw dimensions crew tightening torque rotection degree IEC 529 EN 60529 erminals unblient conditions | | | | |
| crew tightening torque rotection degree IEC 529 EN 60529 erminals umbient conditions operating ambient temperature | | | °C | -25 ÷ +55 |
| crew tightening torque rotection degree IEC 529 EN 60529 erminals umbient conditions | | | | |

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