

Bremas Ersce SpA

Via castellazzo 9 - 20040 Cambiago (MI)

Tel +39 02 95651611 Fax +39 02 95651639

info@bremas.it

ISO 9001 Certified Quality System

Cod. CA0250003PL2

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

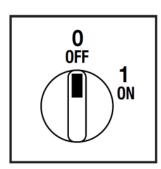
- Three-pole switch
- IP00 Protection degree
- Rated operational current le: 25A
- Rated thermal current Ith: 32A
- · Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 60°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.



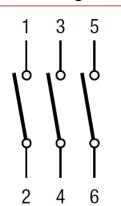
Technical characteristics: Knob

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

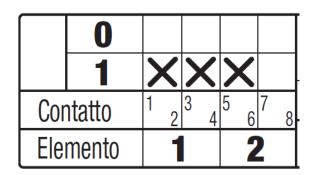
Positions



Electrical diagram



Electrical function





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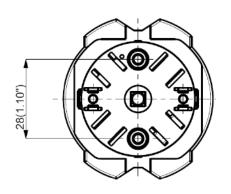
measures in mm (in)

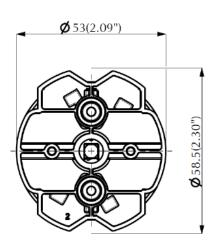
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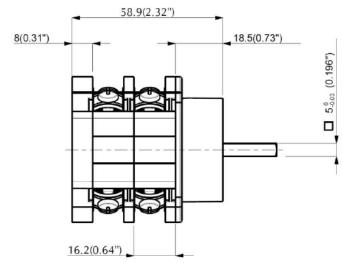
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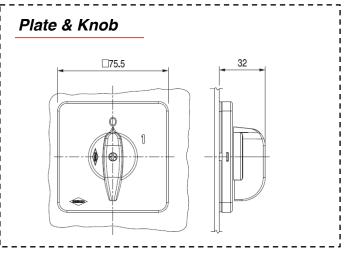
Dimensions







Drilling templates (0.12")



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| 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 | A | 32 |
| Rated thermal current for enclosed switch | | Ithe | Α | 32 |
| Rated 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 . | 25 |
| AC-22A Switching of mixed resistive and inductive loads, including moderate overloads | | le | A | 20 |
| AC-20A Connecting and disconnecting under no loads conditions | | | | - |
| Rated operating power | | 2201 | 14 (4) | 7.5 (2.4) |
| AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole | | 230V | Kw (A) | 7,5 (24) |
| | | 400V | Kw (A) | 11 (20) |
| | | 500V | Kw (A) | 11 (15) |
| | | 690V | Kw (A) | 11 (11) |
| 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) | 9,5 (16) |
| | | 500V | Kw (A) | 9,5 (12,5) |
| | | 690V | Kw (A) | 8,5 (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, pluggign, inching | | 230V | Kw (A) | 2,2 (17) |
| | | 400V | Kw (A) | 3 (5,5) |
| AC-15 Control of a.c electromagnetic loads | | 230V | A | 8 |
| To 15 control of the electroning field loads | | 400V | A | 6 |
| Rated breaking capability in AC-23A (cos φ=0,45) | | 230V | A | 192 |
| Taked Steaming capability in the EST (665 & 5) 15) | | 400V | A | 160 |
| Short circuit protection | | 1001 | ** | 200 |
| Rated short time withstand current | | lcw | A | 400 |
| Rated short-circuit make capacity | | Icm | Α Α | 2000 |
| Rated conditional short-circuit current | | - | kA | 10 |
| With fuses class gG | | 500V | A | 35 |
| Technical data UL/CSA | | 3000 | A | 33 |
| | | Ue | UL/CSA V | 600/600 |
| Rated operating voltage | | | UL/CSA A | |
| General use current | | le | | 25/25 |
| Short circuit rating @600Vac | | | Arms | 5000 |
| Fuse size (Class RK5, 600Vac, 200kA A.I.C.) | | | A | 60 |
| Rated operating power | | | | - /> / |
| 1 phase - 2 pole | | 120V | Hp (A) | 2 (24)/- |
| | | 240V | Hp (A) | 3 (17)/6 |
| 3 phase - 3 pole | | 200V | Hp (A) | 5 (17,5)/- |
| | | 240V | Hp (A) | 7,5 (22)/- |
| | | 480V | Hp (A) | 10 (14)/- |
| | | 600V | Hp (A) | 10 (11)/15 |
| Mechanical characteristics | | | | |
| Panel tickness | | Max | mm | 4 |
| Mechanical life | | | Cycles x 10 ⁶ | 1,5 |
| | | | Cycles/hr | 120 |
| Connection according to IEC 9471-1 and EN 50947-1 | | | | |
| Connecting capability | With flexible wires | Min-Max | mm² | 2x2,5-10 |
| | | Min-Max | AWG | 14-8 |
| | With solid wires | Min-Max | mm² | 2x2,5-16 |
| | | | | M4 |
| Connection terminal screw dimensions | | | Type | |
| | | | Type Nm | |
| Screw tightening torque | | | Nm | 1,7 |
| Screw tightening torque Protection degree IEC 529 EN 60529 | | | Nm | 1,7 |
| Screw tightening torque Protection degree IEC 529 EN 60529 Terminals | | | | |
| Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions | | | Nm IP | 1,7 |
| Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature | | | Nm IP °C | 1,7 00 -25 ÷ +55 |
| Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature Storage ambient temprature | | | Nm IP | 1,7 00 -25 ÷ +55 -30 ÷ +70 |
| Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Ambient conditions Operating ambient temperature | | | Nm IP °C | 1,7 00 -25 ÷ +55 |

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