

 Bremas Ersce SpA

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ISO 9001 Certified Quality System

### Cod. CR0250006RT6



(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

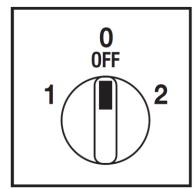


- · Change-over switch 2 pole
- IP20 Protection degree
- Rated operational current le: 25A (AC-21A)
- Rated thermal current Ith: 32A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 60°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.

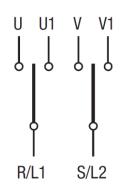
## Technical characteristics: Knob

- Grey plate 67x67mm and black knob
- IP66 Protection degree
- Fixing:- 2 screw at 28mm vertical

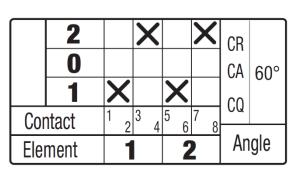
Positions



#### Electrical diagram



# Electrical function

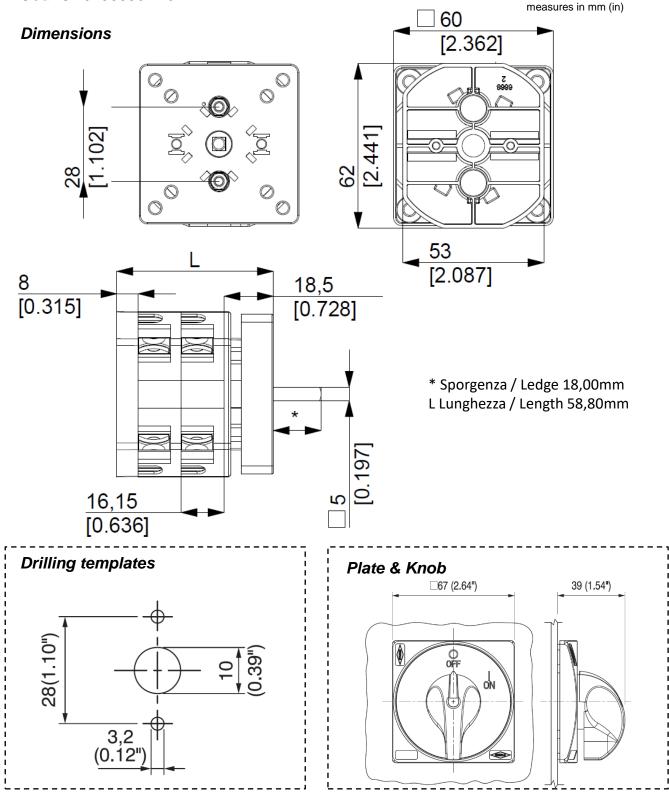


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$\frac{240V}{Hp}(A) \frac{7,5}{22}/c}{480V} \frac{Hp}(A) \frac{7,5}{22}/c}{480V} \frac{Hp}(A) \frac{7,5}{22}/c}{480V} \frac{Hp}(A) \frac{10}{10}/c}{10}/c}$					
480V $Hp$ (Å) $10$ (14)/- $600V$ $Hp$ (Å) $10$ (11)/15 $1echanical characteristics$ Maxmm4anel thicknessMaxmm4lechanical lifeCycles x 10 <sup>6</sup> 1.5cycles x 10 <sup>6</sup> 1.20Cycles x 10 <sup>6</sup> 1.20onnection according to IEC 9471-1 and EN 50947-1With flexible wiresMin-Maxmm <sup>2</sup> 2x2,5-10onnecting capabilityWith flexible wiresMin-MaxAWG14-8onnection terminal screw dimensionsTypeM4crew tightening torqueNin-Maxmm <sup>2</sup> 2x2,5-10ontection degree IEC 529 EN 60529IP20Nin-Max1,7errainalsIP20Nin-Max1,8orgae ambient temperature'C'-25 + +5536 + -70corage ambient temperature'C'-25 + +5536 + -70corage ambient temperature'C'-25 + +5536 + -70(itstand to constant humid according to IEC 60068'C'2-78	shase - 3 pole				
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hechanical characteristics       Max       mm       4         anel thickness       Max       mm       4         lechanical life       Cycles x 10°       1,5         cycles/hr       120         nenection according to IEC 9471-1 and EN 50947-1       With flexible wires       Min-Max       mm²       2x2,5-10         nenecting capability       Min-Max       AWG       14-8	a huase - a houe		240V	Hp (A)	7,5 (22)/-
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Echnical life         Cycles x10 <sup>6</sup> 1,5           Cycles x10 <sup>6</sup> 1,20           Denection according to IEC 9471-1 and EN 50947-1         120           Denection according to IEC 9471-1 and EN 50947-1         Min-Max         Mm <sup>2</sup> 2×2,5-10           Denection according to IEC 9471-1 and EN 50947-1         Min-Max         AWG         14-8           Denection according to IEC 9471-1 and EN 50947-1         Min-Max         AWG         14-8           Denection according to IEC 9471-1 and EN 50947-1         Min-Max         AWG         14-8           Denection terminal screw dimensions         Type         M4           Crew tightening torque         Nm         1,7           crew tightening torque         Nm         2,5           crew tightening torque         Nm         2,5           crew tighte			240V 480V	Hp (A) Hp (A)	7,5 (22)/- 10 (14)/-
Cycles/hr     120       connection according to IEC 9471-1 and EN 50947-1     Min-Max     mm²     222,5-10       min-Max     MM²     14-8       With flexible wires     Min-Max     MM²     14-8       With solid wires     Min-Max     mm²     222,5-16       onnection terminal screw dimensions     Type     M4       crew tightening torque     Type     M4       rew tightening torque     Nm     1,7       rotection degree IEC 525 EN 60529     Type     M2       erminals     IP     20       mbient conditions     IP     20       perating ambient temperature     'C     -25 ± +55       corage ambient temperature     'C     -30 ± +70       rikstand to constant humid according to IEC 60068     2-78	Mechanical characteristics		240V 480V 600V	Hp (A) Hp (A) Hp (A)	7,5 (22)/- 10 (14)/- 10 (11)/15
ponnection according to IEC 9471-1 and EN 50947-1         ponnecting capability       Min-Max       mm²       2x2,5-10         Min-Max       AWG       14-8         With solid wires       Min-Max       mm²       2x2,5-16         ponnection terminal screw dimensions       Type       M4         crew tightening torque       Nm       1,7         rotection degree IEC 529 EN 60529       rotection degree IEC 529 EN 60529       IP       20         perating ambient temperature       "C       -25 ÷ +55       cores quabilent temperature       "C       -25 ÷ +55         porage ambient temperature       "C       -30 ÷ +70       -78       -78	Mechanical characteristics Panel thickness		240V 480V 600V	Hp (A) Hp (A) Hp (A) mm	7,5 (22)/- 10 (14)/- 10 (11)/15 4
Min-Max         Mm²         2x2,5-10           Min-Max         AWG         14-8           With solid wires         Min-Max         Mm2         2x2,5-16           onnection terminal screw dimensions         Type         M4           crew tightning torque         Nm         1,7           rotection degree IEC 529 EN 60529         Nm         1,7           errainals         IP         20           meint conditions         IP         20           perating ambient temperature         'C         -25 ± +55           orage ambient temperature         'C         -30 ± +70           rikstand to constant humid according to IEC 60068         2-78         -278	Mechanical characteristics		240V 480V 600V	Hp (A) Hp (A) Hp (A) mm Cycles x 10 <sup>6</sup>	7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5
Min-Max         AWG         14-8           With solid wires         Min-Max         mm²         222,516           onnection terminal screw dimensions         Type         M4           crew tightening torque         Nm         1,7           cotection degree IEC 529 EN 60529         IP         20           erminals         IP         20           mbient conditions         -         IP         20           praga ambient temperature         -	Mechanical characteristics Panel thickness Mechanical life		240V 480V 600V	Hp (A) Hp (A) Hp (A) mm Cycles x 10 <sup>6</sup>	7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5
Mith solid wires         Min-Max         mm²         222,516           onnection terminal screw dimensions         Type         M4           crew tightening torque         Nm         1,7           ototection degree IEC 529 EN 60529         JP         20           erminals         IP         20           mbient conditions         S         1P         25 + 55           orage ambient temperature         °C         -25 + 55         -30 + +70           rikstand to constant humid according to IEC 60068         S         2-78         -278	Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1	Wate Samita and and	240V 480V 600V Max	Hp (A) Hp (A) Hp (A) mm Cycles x 10 <sup>6</sup> Cycles/hr	7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120
Type         M4           rwe dighening screw dimensions         Nm         1,7           crew tightening torque         Nm         1,7           cotection degree LEC 529 EN 60529         IP         20           erminals         IP         20           mbient conditions         "C         -25 + 55           orage ambient temperature         "C         -30 + 470           rithstand to constant humid according to IEC 60068         2-78	Mechanical characteristics Panel thickness Mechanical life	With flexible wires	240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) mm Cycles x 10 <sup>6</sup> Cycles/hr mm <sup>2</sup>	7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10
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rotection degree IEC 529 EN 60529       IP       20         erminals       IP       20         mbient conditions       "C       -25 ÷ +55         corage ambient temperature       "C       -25 ÷ +55         corage ambient temperature       "C       -30 ÷ +70         fithstand to constant humid according to IEC 60068       2-78	Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability		240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) mm Cycles x 10 <sup>6</sup> Cycles/hr mm <sup>2</sup> AWG mm <sup>2</sup>	7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 1,5 120 2x2,5-10 14-8 2x2,5-16
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2-78	Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1         Connecting capability         Connection terminal screw dimensions         Screw tightening torque         Protection degree IEC 529 EN 60529         Terminals         Ambient conditions		240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles/hr Cycles/hr Mm <sup>2</sup> AWG mm <sup>2</sup> Type Nm IP	7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 20
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itenstand to cyclic numid according to IEC 60/068 2-30	Mechanical characteristics Panel thickness Mechanical life Connection according to IEC 9471-1 and EN 50947-1 Connecting capability Connecting capability Connection terminal screw dimensions Screw tightening torque Protection degree IEC 529 EN 60529 Terminals Terminals Ambient conditions Operating ambient temperature Storage ambient temperature		240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) mm Cycles x 10 <sup>6</sup> Cycles/hr mm <sup>2</sup> AWG mm <sup>2</sup> Type Nm IP °C	7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 20 20 -25 ÷ +55 -30 ÷ +70
	Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1         Connecting capability         Connection terminal screw dimensions         Screw tightening torque         Protection degree IEC 529 EN 60529         Terminals         Comperating ambient temperature         Storage ambient temperature         Withstand to constant humid according to IEC 60068		240V 480V 600V Max 	Hp (A) Hp (A) Hp (A) mm Cycles x 10 <sup>6</sup> Cycles/hr mm <sup>2</sup> AWG mm <sup>2</sup> Type Nm IP °C	7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 20 -25 ÷ +55 -30 ÷ +70 2-78

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