

N° :

Date : 16 sept. 2019

Universal drive IP20 with options

Unidrive M700-03400031A10100AB100

keypad ;

Definition

| | |
|-------------------------|--|
| Product range | Unidrive |
| Model | M700-034-00031A |
| Model | M700 (1 STO - 3 SI options - CodeSys - Ethernet) 6 pulses - internal choke (A) |
| Onboard Comms | Modbus TCP/IP & EtherNet/IP (2 switched ports) |
| Onboard intelligence | Machine Control Studio & AMC |
| Control Connections | 1 STO / 3 AI (0-10V & 4-20mA) + 2 AO (0-10V) + 1 DI + 1 DO + 3 DIO + 1 RLY |
| Product cooling version | Air cooling (A) |



Electrical characteristics

Network side electrical characteristics

| | |
|------------------------------------|-------------------------------|
| Power supply number of phases | 3 |
| Power supply voltage and frequency | 380 to 480V (±10%) 45 to 66Hz |
| Power supply nominal current (A) | 7.0 |

Motion side electrical characteristics

Heavy duty / Open loop control mode

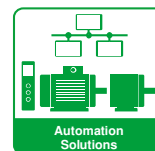
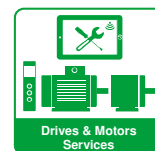
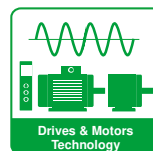
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|--|---------------------|
| Continuous output current (A) | 3.10 @ 3 kHz - 40°C |
| Output maximal current (A) | 4.60 |
| Maximum overload duration from 100% I _{co} (s) / repetitivity (s) | 7.00 / 600.00 |
| Maximum overload duration from cold (s) / repetitivity (s) | 60.00 / 600.00 |

| Power supply voltage (V ±10%) | Power supply number of phases | Power supply nominal current (A) | Overload | Maximum ambient temperature (°C) | Switching frequency (kHz) | Continuous output current (A) | Losses (W) | |
|-------------------------------|-------------------------------|----------------------------------|-------------|----------------------------------|---------------------------|-------------------------------|------------|----|
| 400 | 3 | 7.0 | Heavy duty | 40 | 3 | 3.1 | 69 | |
| | | | | | 12 | 3.1 | 107 | |
| | | | | 50 | 3 | 3.1 | 69 | |
| | | | | | 12 | 3.1 | 107 | |
| | | | Normal duty | 40 | 3 | 4.5 | 88 | |
| | | | | | 12 | 4.5 | 137 | |
| | | | | | 50 | 3 | 4.5 | 88 |
| | | | | | | 4 | 4.5 | 92 |
| | | | | 6 | | 4.4 | 104 | |
| | | | | 8 | | 4.1 | 115 | |
| | | | | 12 | 3.6 | 137 | | |

| Power supply voltage (V ±10%) | Power supply number of phases | Surcharge | Mode de fonctionnement | Output maximal current (40°C) (A) | Maximum overload duration from 100% I _{co} (s) | Maximum overload duration from cold (s) |
|-------------------------------|-------------------------------|-------------|--------------------------|-----------------------------------|---|---|
| 400 | 3 | Heavy duty | Closed loop control mode | 6.2 | 3.00 | 28.00 |
| | | | Open loop control mode | 4.6 | 7.00 | 60.00 |
| | | Normal duty | Open loop control mode | 4.9 | 9.00 | 165.00 |

characteristics

| | | | |
|--------------------|---------------|-------------------------------|------|
| Size | 03 | Drive flow rate (m3/h) | 60 |
| Dimensions (HxWxD) | 365 x 83 x200 | acoustic noise (dB(A)) | 50.9 |
| Weight (kg) | 4.00 | Maximal altitude (m) | 1000 |
| Protection indice | IP20 | Maximal relative humidity (%) | 95 |



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Power options, network side

| Line choke | In (A) | Inductance (mH) | Losses (W) | Dimensions (HxWxD) | Weight (kg) |
|------------|--------|-----------------|------------|--------------------|-------------|
| - | 0 | 0 | 0 | 0 x 0 x 0 | 0.0 |

Power options, motion side

| Braking transistor | Braking transistor Included |
|--------------------|-----------------------------|
| | |

Integral options

| | |
|--|-----------------------------|
| Integrated control interface | Without display and setting |
| HMI / keypad | KI-KEYPAD LCD |
| PC communication interface | - |
| Option slot SM/SI 1 | - |
| Option slot SM/SI 2 | - |
| Option slot SM/SI 3 | - |
| AI Option / Smartcard slot | - |
| HD15 / terminals feedback device interface | - |

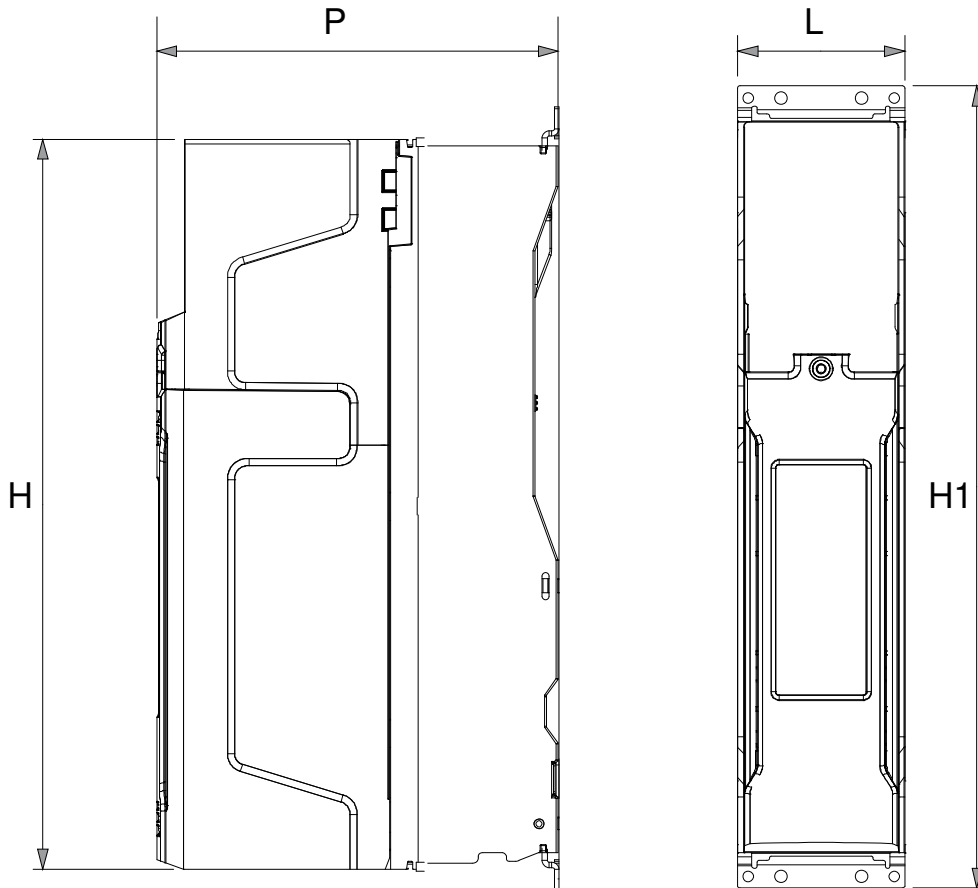
Environmental options

| | |
|------------------------------|---|
| IP / UL / through panel kits | - |
| Product fan management | - |

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Variable speed drive (6 pulses) : Unidrive M700-03400031A10100AB100



| | |
|---------|-----|
| H (mm) | 365 |
| H1 (mm) | 382 |
| H2 (mm) | 0 |

| | |
|--------|----|
| L (mm) | 83 |
|--------|----|

| | |
|---------|-----|
| P (mm) | 200 |
| P1 (mm) | 0 |

| | |
|-------------------|------|
| Weight (kg) | 4.00 |
| Total weight (kg) | 4.15 |