

N° :

DATASHEET

Date : 7 janv. 2021

Universal drive IP20 with options

Unidrive M700-03400031A10100AB100

keypad ; SmartCard_64k ;

Definition

Product range	Unidrive
Model	M700-034-00031A
Model	700 (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 / Control RFC-A

Continuous output current (A)	3.10 @ 3 kHz - 40°C
Output maximal current (A)	6.20
Maximum overload duration from 100% I _{co} (s) / repetitivity (s)	3.00 / 600.00
Maximum overload duration from cold (s) / repetitivity (s)	28.00 / 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
					3	4.5	88
					4	4.5	92
				50	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	accoustic 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
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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	Settings duplication card (SmartCard_64k)
HD15 / terminals feedback device interface	-

Environmental options

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

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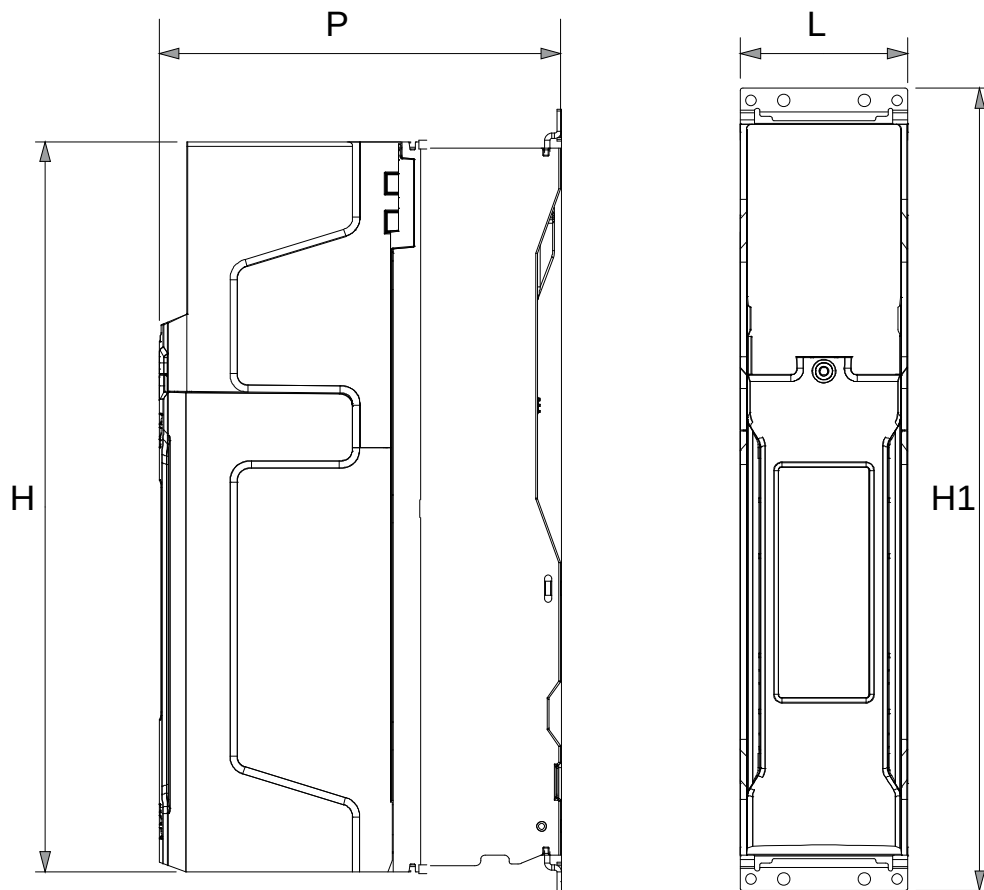
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Variable speed drive (6 pulses) : Unidrive M700-03400031A10100AB100



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

L (mm)	83
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P (mm)	200
P1 (mm)	0

Weight (kg)	4.00
Total weight (kg)	4.30

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