

N° :

DATASHEET

Date : 19 janv. 2021

Universal drive IP20 with options

Unidrive M400-05400270A10100AB100

keypad ;

Definition

Product range	Unidrive
Model	M400-054-00270A
Model	400 (2 STO - 1 SI option - CodeSys) 6 pulses - internal choke (A)
Onboard Comms	Optionnal comms (1 option slot)
Onboard intelligence	Machine Control Studio (IEC61131-3)
Control Connections	2 STO / 2 AI (0-10V & 4-20mA) + 2 AO (0-10V & 4-20mA) + 5 DI + 2 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)	29.0

Motion side electrical characteristics

Heavy duty / Open loop control mode

Continuous output current (A)	25.40 @ 3 kHz - 40°C
Output maximal current (A)	40.50
Maximum overload duration from 100% Ico (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	29.0	Heavy duty	40	3	25.4	276
				50	3	23.5	267
			Normal duty	40	3	30.0	324
				50	3	25.5	288

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% Ico (s)	Maximum overload duration from cold (s)
400	3	Heavy duty	Open loop control mode	40.5	7.00	60.00
		Normal duty	Open loop control mode	33.0	9.00	165.00

characteristics

Size	05	Drive flow rate (m3/h)	84
Dimensions (HxWxD)	365 x 143 x202	accoustic noise (dB(A))	56.9
Weight (kg)	7.40	Maximal altitude (m)	1000
Protection indice	IP20	Maximal relative humidity (%)	95

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Version V8.305

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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	CI-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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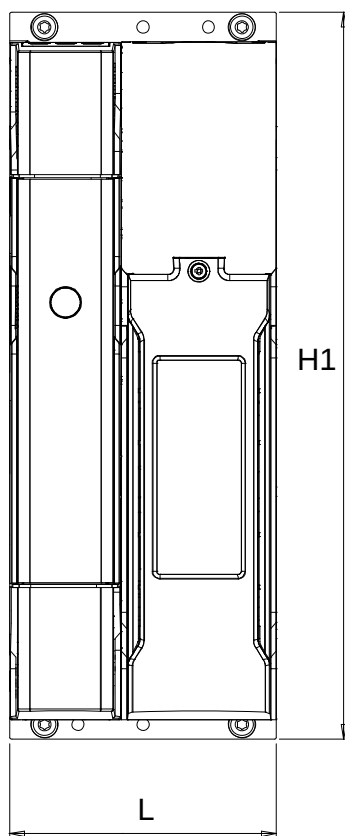
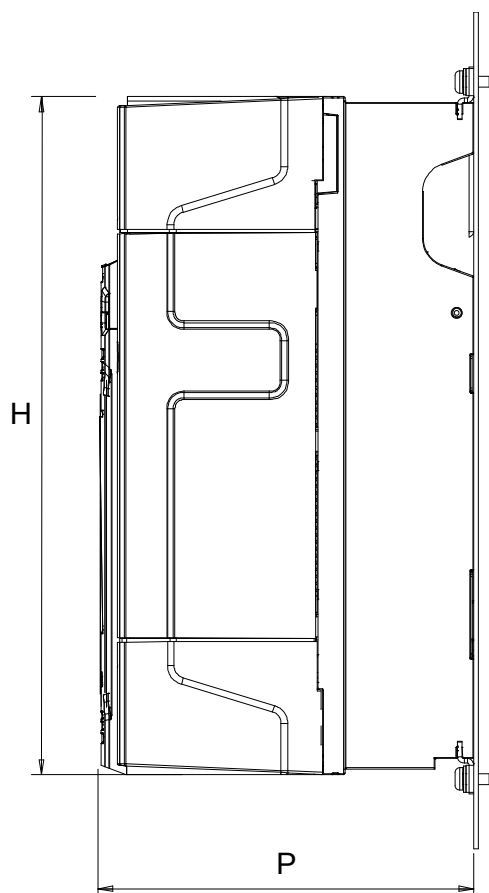
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Variable speed drive (6 pulses) : Unidrive M400-05400270A10100AB100



H (mm)	365
H1 (mm)	391
H2 (mm)	0

L (mm)	143
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P (mm)	202
P1 (mm)	0

Weight (kg)	7.40
Total weight (kg)	7.55

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