

N° :

Date : 7 janv. 2021

Universal drive IP20 with options

Unidrive M700-05400270A10100AB100

keypad ; SmartCard_64k ;

Definition

Product range	Unidrive
Model	M700-054-00270A
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)	29.0

Motion side electrical characteristics

Heavy duty / Control RFC-A

Continuous output current (A)	25.40 @ 3 kHz - 40°C
Output maximal current (A)	54.00
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	29.0	Heavy duty	40	3	25.4	276
					4	23.7	282
					6	20.3	285
					8	17.6	290
					12	13.8	301
				50	3	23.5	267
					4	21.6	274
					6	18.6	290
					8	16.2	305
					12	12.7	340
			Normal duty	40	3	30.0	324
					4	30.0	353
					6	25.8	356
					8	22.2	355
					12	17.1	359
				50	3	25.5	288
					4	25.5	323
					6	23.6	368
					8	20.4	384
					12	15.6	417

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	54.0	3.00	28.00
			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
Dimensions (HxWxD)	365 x 143 x202
Weight (kg)	9.00
Protection indice	IP20

Drive flow rate (m3/h)	84
accoustic noise (dB(A))	56.9
Maximal altitude (m)	1000
Maximal relative humidity (%)	95

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	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	-

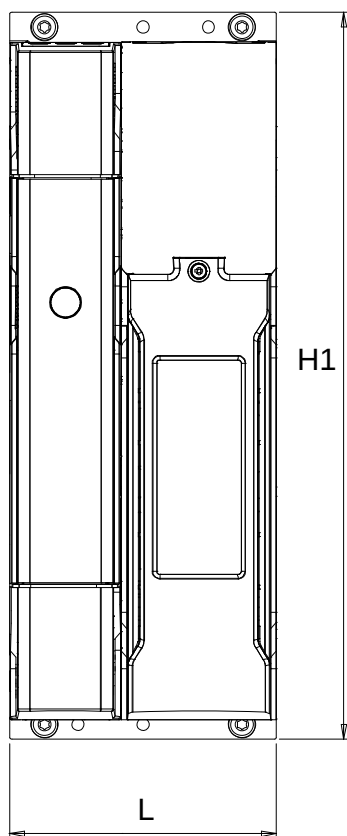
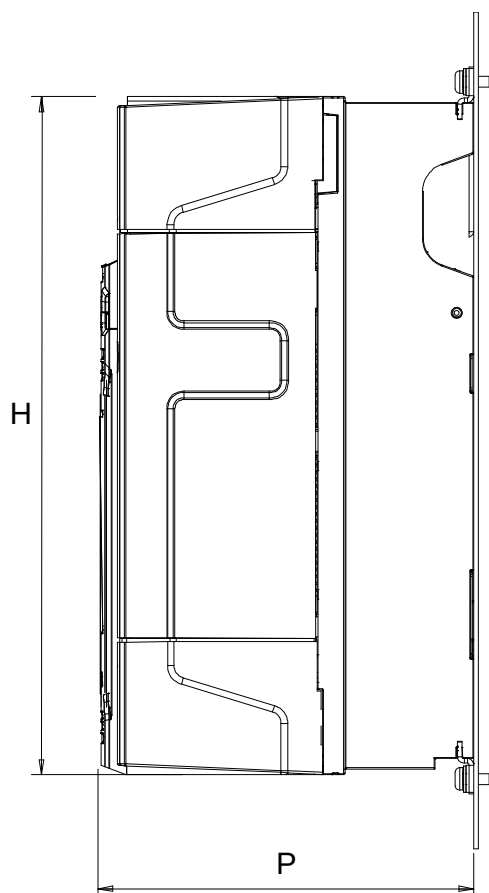
Environmental options

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

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Variable speed drive (6 pulses) : Unidrive M700-05400270A10100AB100



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

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

Weight (kg)	9.00
Total weight (kg)	9.30