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## DATASHEET

Date : 7 janv. 2021

### Universal drive IP20 with options

Unidrive M700-05400300A10100AB100

keypad ; SmartCard\_64k ;

### Definition

Product range	Unidrive
Model	M700-054-00300A
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)	30.0

#### Motion side electrical characteristics

#### Heavy duty / Control RFC-A

Continuous output current (A)	30.00 @ 3 kHz - 40°C
Output maximal current (A)	60.00
Maximum overload duration from 100% I <sub>co</sub> (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	30.0	Heavy duty	40	3	30.0	322	
					4	27.9	333	
					6	24.0	352	
					8	21.0	374	
				12	14.9	372		
				50	3	24.0	264	
					4	24.0	297	
					6	21.9	383	
			8		19.2	420		
			Normal duty	40	40	3	31.0	332
						4	31.0	367
						6	30.7	434
						8	26.4	441
				50	50	12	18.3	417
						3	25.5	280
						6	25.5	366
8	23.6	452						
					12	15.9	453	

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 <sub>co</sub> (s)	Maximum overload duration from cold (s)
400	3	Heavy duty	Closed loop control mode	60.0	3.00	28.00
			Open loop control mode	45.0	7.00	60.00
		Normal duty	Open loop control mode	34.1	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)	9.00	Maximal altitude (m)	1000
Protection indice	IP20	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**

### Integral options

Integrated control interface	Without display and setting
HMI / keypad	<b>KI-KEYPAD LCD</b>
PC communication interface	-
Option slot SM/SI 1	-
Option slot SM/SI 2	-
Option slot SM/SI 3	-
AI Option / Smartcard slot	<b>Settings duplication card (SmartCard_64k)</b>
HD15 / terminals feedback device interface	-

### Environmental options

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

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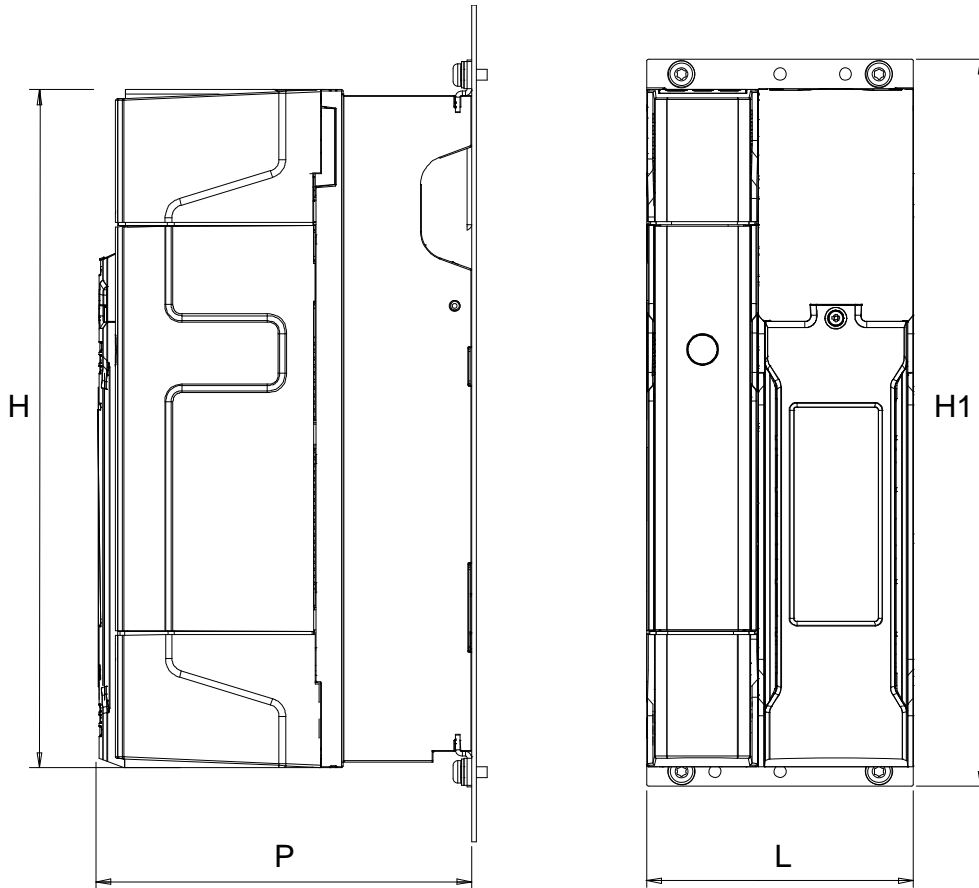
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Variable speed drive (6 pulses) : Unidrive M700-05400300A10100AB100



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

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