



Variable frequency drives, 1p, 230 V, 2.4A, 0.37kW

Part no. MMX12AA2D4F0-0
Article no. 121364
Catalog No. MMX12AA2D4F0-0

Delivery programme

Product range			M-MAX (MMX)
Rated operational voltage			1 AC 230 V
Mains voltage (50/60Hz)	U_{LN}	V	208 (-15%) - 240 (+10%)
Assigned motor rating			
at 230 V, 50 Hz	P	kW	0.37
			Rated operational current at an operating frequency of 6 kHz and an ambient air temperature of +50 °C
at 230 V, 60 Hz	P	HP	0.5
			Assigned motor rating for normal internally and externally ventilated 4 pole, three-phase asynchronous motors with 1500 rpm ⁻¹ (at 50 Hz) or 1800 min ⁻¹ (at 60 Hz)
Rated operational current	I_e	A	2.4
Rated motor current			
at 230 V, 50 Hz	I_e	A	2
at 220 - 240 V, 60 Hz	I_e	A	2.2
Radio interference suppression filters			with internal radio interference suppression filters
Degree of Protection			IP20/NEMA 0
Brake chopper			without internal brake chopper
Frame size			FS1
Notes			
Cross-reference Increased protection type IP21/NEMA 1, → Accessories			

Technical data

Power section

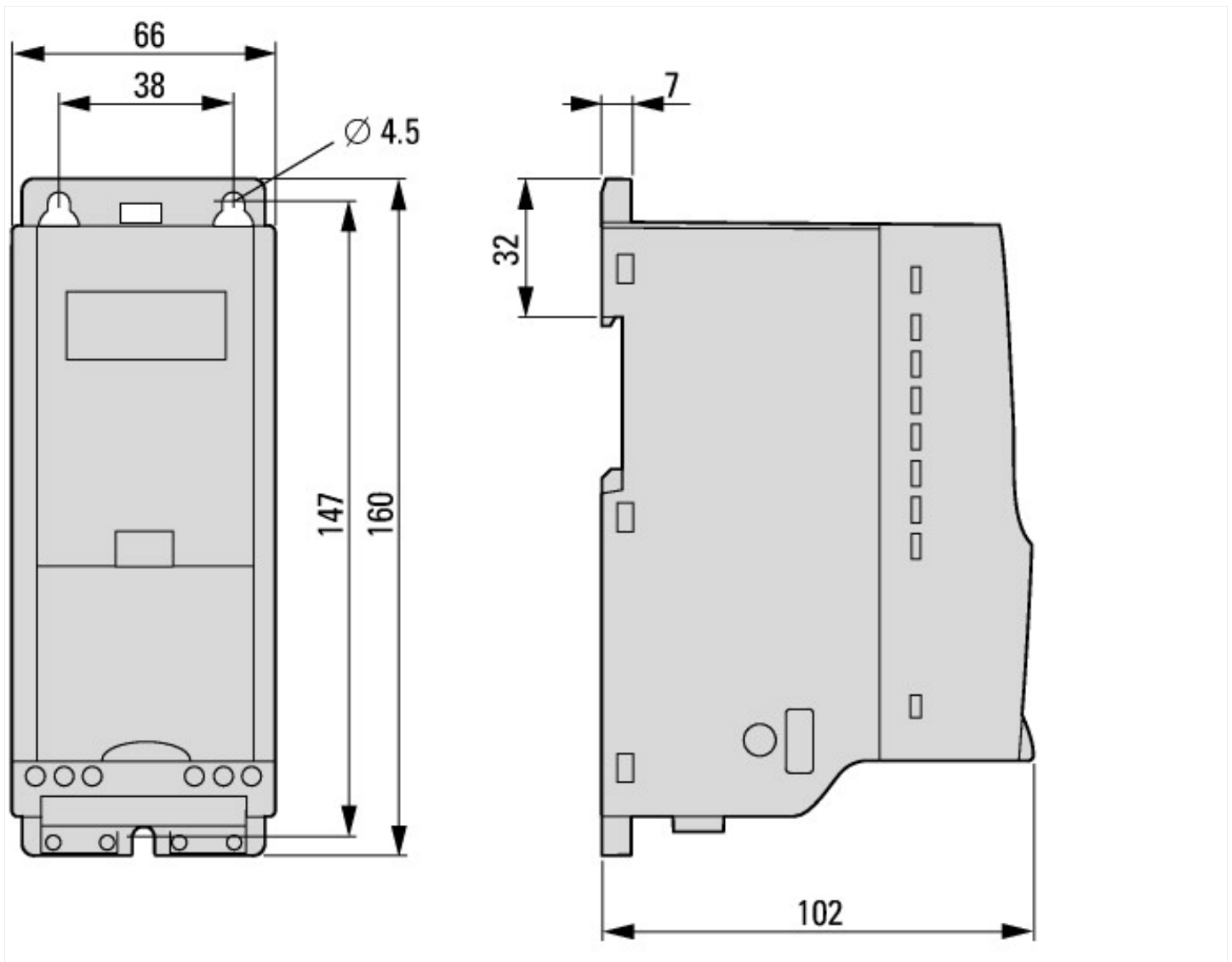
Input side			
Number of phases			single-phase (L, N) two-phase (e.g. L1, L2)
Mains voltage (50/60Hz)	U_{LN}	V	208 (-15%) - 240 (+10%)
Mains voltage UL/CSA (45-66 Hz ± 0%)	U_{LN}	V	177 - 264 (±0%)
Rated operational voltage			1 AC 230 V
Rated operational current	I_e	A	2.4
Input current	I_{LN}	T	5.7
Overload current for 60 s every 600 s at 50 °C		T	3.6
Starting current for 2 s every 20 s at 50 °C		T	4.8
Maximum leakage current to ground (PE) without motor	I_{PE}	mA	15.4
Apparent power			
Apparent power at rated operation 230 V	S	kVA	0.96
Apparent power at rated operation 240 V	S	kVA	0.99
Assigned motor rating			
at 230 V, 50 Hz	P	kW	0.37
at 230 V, 60 Hz	P	HP	0.5
Braking torque			
Standard braking torque			max. 30 % M_N
DC braking torque			max. 100% of rated operational current I_e , variable
Switching frequency	f_{PWM}	kHz	6 adjustable 1 - 16 (real)
Heat dissipation at rated operational current	P_V	W	24.6

Efficiency		%	93
Fitted with			Fan (internal, temperature controlled)
Frame size			FS1
Weight	m	kg	0,500

Approvals

Product Standards			UL 508C; CSA-C22.2 No. 14; IEC/EN61800-3; IEC/EN61800-5; CE marking
UL File No.			E134360
UL Category Control No.			NMMS, NMMS7
CSA File No.			UL report applies to both US and Canada
CSA Class No.			3211-06
North America Certification			UL listed, certified by UL for use in Canada
Specially designed for North America			No
Suitable for			Branch circuits
Max. Voltage Rating			1~ 240 V AC IEC: TN-S UL/CSA: "Y" (Solidly Grounded Wey)
Degree of Protection			IEC: IP20; optionally UL/CSA NEMA 1

Dimensions



Additional product information (links)

IL04020006Z MMX adjustable frequency drives, size 1, 2 and 3	
	IL04020006Z MMX adjustable frequency drives, size 1, 2 and 3
MN04020001Z M-Max variable frequency drive, manual	
	MN04020001Z Frequenzumrichter M-Max, Handbuch - Deutsch
	MN04020001Z M-Max variable frequency drive, manual - English
	MN04020001Z Convertisseurs de fréquence M-Max, manuel - français

	MN04020001Z Frekvenční měnič M-Max, manuál - čeština
	MN04020001Z Convertitori di frequenza M-Max, manuale - italiano
	MN04020001Z Przemienik częstotliwości M-Max, podręcznik - polski
	MN04020001Z M-Max variable frequency drive, manual - русский