



Variable frequency drives, 3p, 400 V, 1.9A, 0.55kW

Part no. **MMX34AA1D9N0-0**
Article no. **122675**
Catalog No. **MMX34AA1D9N0-0**

Delivery programme

Product range			M-MAX (MMX)
Rated operational voltage			3 AC 400 V
Mains voltage (50/60Hz)	U _{LN}	V	380 (-15%) - 480 (+10%)
Assigned motor rating			
at 400 V, 50 Hz	P	kW	0.55
			Rated operational current at an operating frequency of 6 kHz and an ambient air temperature of +50 °C
at 460 V, 60 Hz	P	HP	0.75
			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	1.9
Rated motor current			
at 400 V, 50 Hz	I _e	A	1.5
at 440 - 480 V, 60 Hz	I _e	A	1.6
Radio interference suppression filters			without internal radio interference suppression filter
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

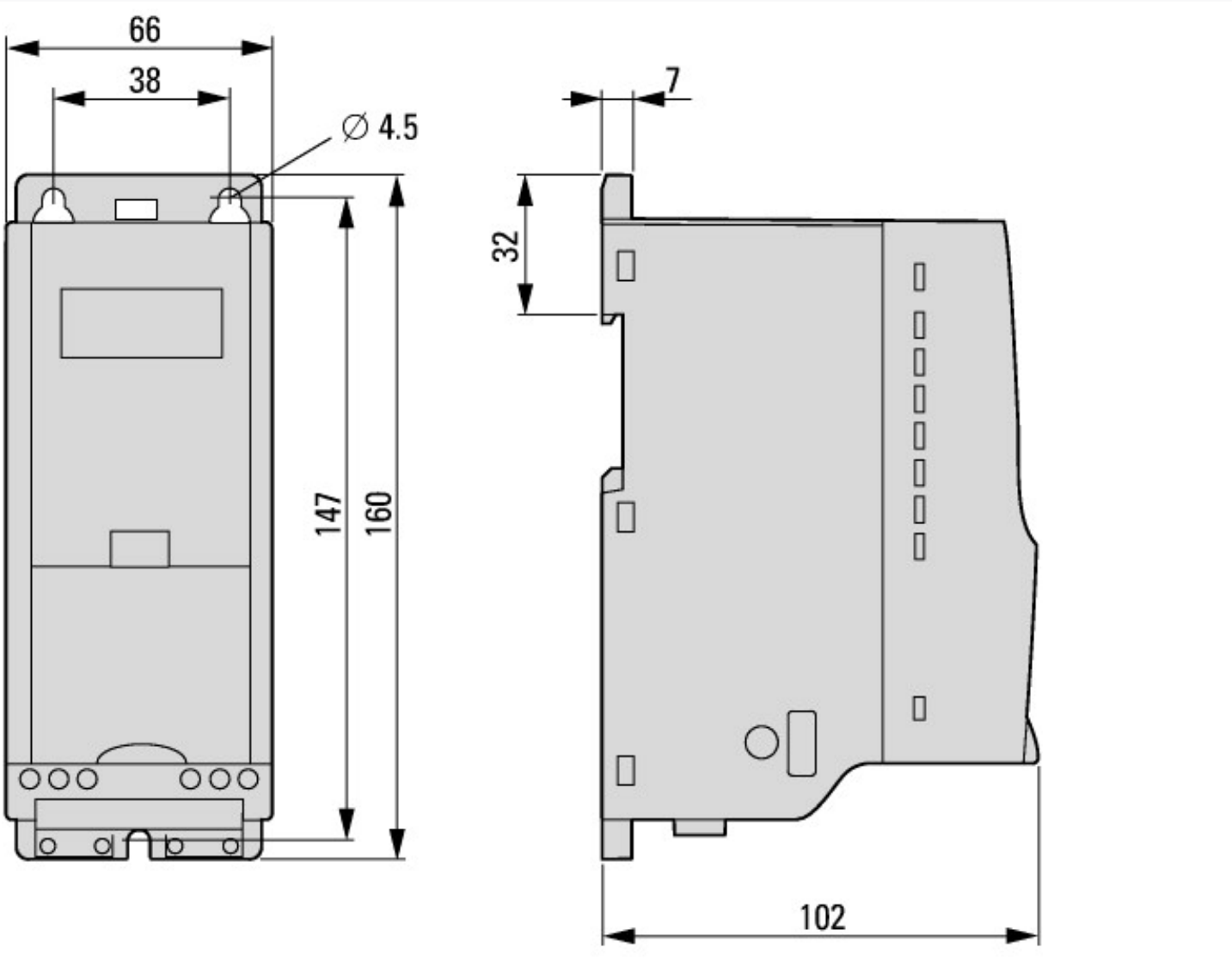
Input side			
Number of phases			three-phase (e.g. L1, L2, L3)
Mains voltage (50/60Hz)	U _{LN}	V	380 (-15%) - 480 (+10%)
Mains voltage UL/CSA (45-66 Hz ± 0%)	U _{LN}	V	323 - 528 (±0%)
Rated operational voltage			3 AC 400 V
Rated operational current	I _e	A	1.9
Input current	I _{LN}	T	2.8
Overload current for 60 s every 600 s at 50 °C		T	2.9
Starting current for 2 s every 20 s at 50 °C		T	3.8
Maximum leakage current to ground (PE) without motor	I _{PE}	mA	45.1
Apparent power			
Apparent power at rated operation 400 V	S	kVA	1.32
Apparent power at rated operation 480 V	S	kVA	1.56
Assigned motor rating			
at 400 V, 50 Hz	P	kW	0.55
at 460 V, 60 Hz	P	HP	0.75
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	29.7
Efficiency		%	95

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			3~ 480 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 Przemiennik częstotliwości M-Max, podręcznik - polski
	MN04020001Z M-Max variable frequency drive, manual - русский