



Freq.inv.,3ph (230V, 4.8A; 1.1kW) w/o filter

Part no. **MMX32AA4D8N0-0**  
 Article no. **122671**  
 Catalog No. **MMX32AA4D8N0-0**

## Delivery programme

Product range			M-MAX (MMX)
Rated operational voltage			3 AC 230 V
Mains voltage (50/60Hz)	$U_{LN}$	V	208 (-15%) - 240 (+10%)
<b>Assigned motor rating</b>			
at 230 V, 50 Hz	P	kW	1.1
			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	1
			Assigned motor rating for normal internally and externally ventilated 4 pole, three-phase asynchronous motors with 1500 rpm <sup>-1</sup> (at 50 Hz) or 1800 min <sup>-1</sup> (at 60 Hz)
Rated operational current	$I_e$	A	4.8
<b>Rated motor current</b>			
at 230 V, 50 Hz	$I_e$	A	4.6
at 440 - 480 V, 60 Hz	$I_e$	A	6
Radio interference suppression filters			without internal radio interference suppression filter
Degree of Protection			IP20/NEMA 0
Brake chopper			with internal brake chopper
Frame size			FS2
Notes			
Cross-reference Increased protection type IP21/NEMA 1, → Accessories			

## Technical data

### Power section

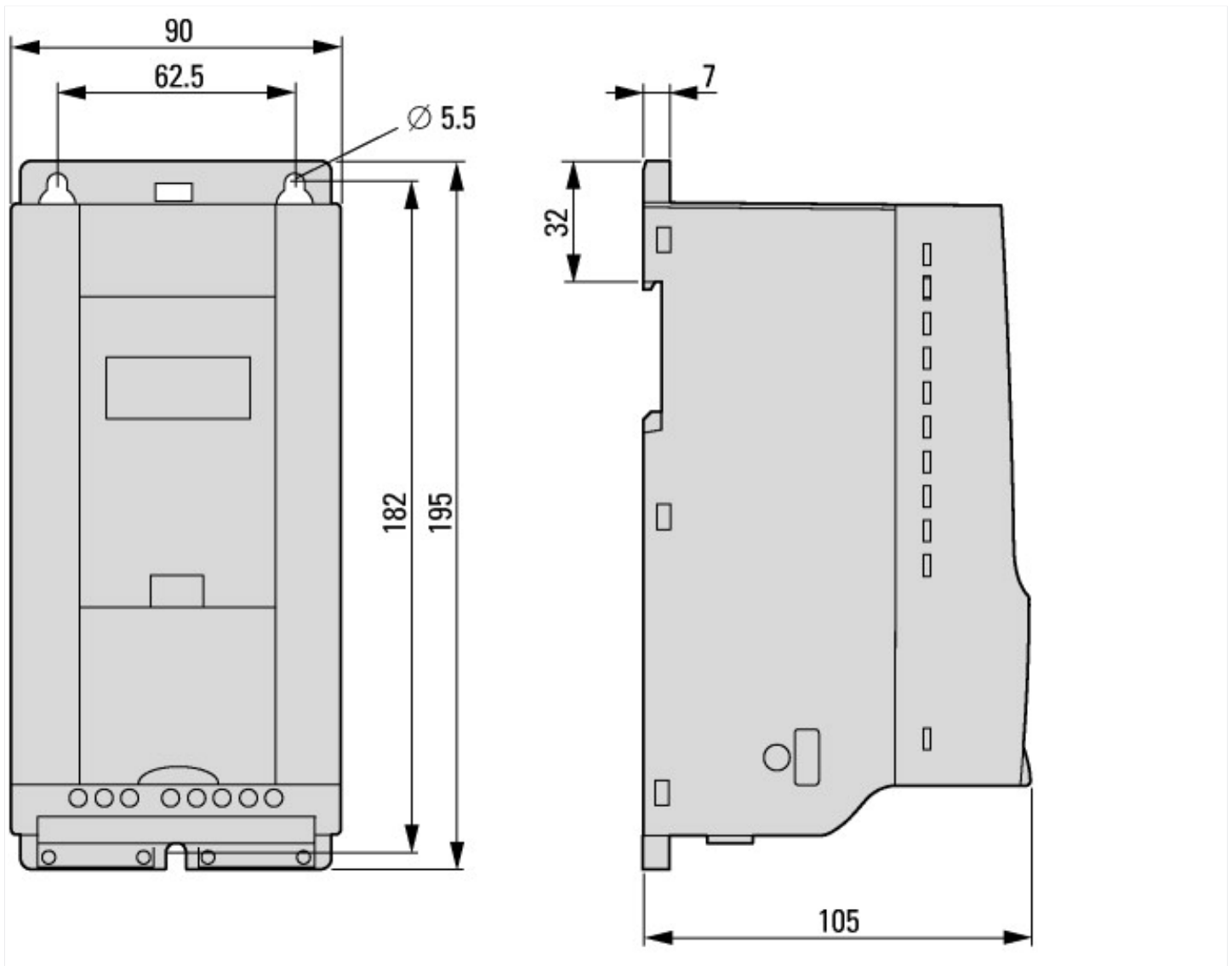
Input side			
Number of phases			three-phase (e.g. L1, L2, L3)
Mains voltage (50/60Hz)	$U_{LN}$	V	208 (-15%) - 240 (+10%)
Mains voltage UL/CSA (45-66 Hz ± 0%)	$U_{LN}$	V	177 - 264 (±0%)
Rated operational voltage			3 AC 230 V
Rated operational current	$I_e$	A	4.8
Input current	$I_{LN}$	T	6.8
Overload current for 60 s every 600 s at 50 °C		T	7.2
Starting current for 2 s every 20 s at 50 °C		T	9.6
Maximum leakage current to ground (PE) without motor	$I_{PE}$	mA	16.1
Apparent power			
Apparent power at rated operation 230 V	S	kVA	1.91
Apparent power at rated operation 240 V	S	kVA	1.99
Assigned motor rating			
at 230 V, 50 Hz	P	kW	1.1
at 230 V, 60 Hz	P	HP	1
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	48.4
Efficiency		%	96

Fitted with			Fan (internal, temperature controlled)
Frame size			FS2
Weight	m	kg	0,700

## 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- 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)

<b>IL04020006Z MMX adjustable frequency drives, size 1, 2 and 3</b>	<a href="#">IL04020006Z MMX adjustable frequency drives, size 1, 2 and 3</a>
<b>MN04020001Z M-Max variable frequency drive, manual</b>	<a href="#">MN04020001Z Frequenzumrichter M-Max, Handbuch - Deutsch</a>
	<a href="#">MN04020001Z M-Max variable frequency drive, manual - English</a>
	<a href="#">MN04020001Z Convertisseurs de fréquence M-Max, manuel - français</a>

	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