



Variable frequency drives, 1p, 230 V, 4.8A, 1.1kW

Part no. MMX12AA4D8N0-0
Article no. 122664
Catalog No. MMX12AA4D8N0-0

Delivery program

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	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 ⁻¹ (at 50 Hz) or 1800 min ⁻¹ (at 60 Hz)
Rated operational current	I_e	A	4.8
Rated motor current			
at 230 V, 50 Hz	I_M	A	4.6
at 220 - 240 V, 60 Hz	I_M	A	4.2
Radio interference suppression filters			without internal radio interference suppression filter
Degree of Protection			IP20/NEMA 0
Brake chopper			without internal brake chopper
Frame size			FS2
Notes			
Cross-reference Increased protection type IP21/NEMA 1, → Accessories			

Technical data

Power section

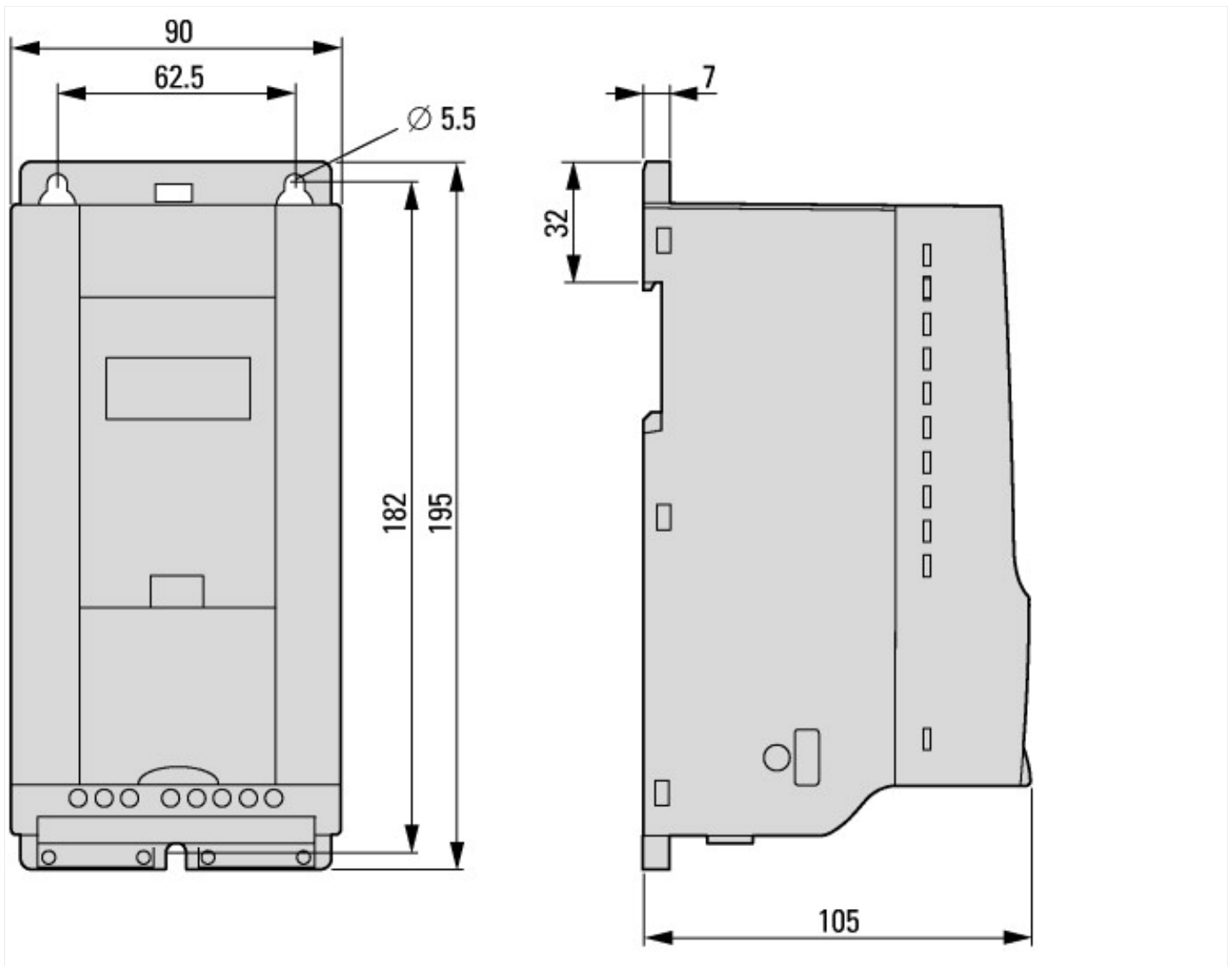
Input side			
Number of phases			single-phase (L, N) two-phase (e.g. L1, L2)
Mains voltage (50/60Hz)	U_{LN}	V	208 (-15%) - 240 (+10%)
Mains voltage UL/CSA (45-66 Hz ± 0%)	U_{LN}	V	177 - 264 (±0%)
Rated operational voltage			1 AC 230 V
Rated operational current	I_e	A	4.8
Input current	I_{LN}	T	11.2
Overload 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	11.8
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
Heat dissipation at rated operational current $I_e = 150\%$	P_V	W	49.6

Efficiency		%	95
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			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, ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04020006Z2011_06.pdf
size 1, 2 and 3

MN04020001Z M-Max variable frequency drive, manual

MN04020001Z Frequenzumrichter M-Max, ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_DE.pdf
Handbuch - Deutsch

MN04020001Z M-Max variable frequency drive, manual - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_EN.pdf
MN04020001Z Convertisseurs de fréquence M-Max, manuel - français	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_FR.pdf
MN04020001Z Frekvenční měnič M-Max, manuál - čeština	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_CZ.pdf
MN04020001Z Convertitori di frequenza M-Max, manuale - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_IT.pdf
MN04020001Z Przemiennek częstotliwości M-Max, podręcznik - polski	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_PL.pdf
MN04020001Z M-Max variable frequency drive, manual - русский	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020001Z_RU.pdf