

new



VFD4A8MS21AFSA



VFD7A5MS21AFSA



VFD32AMS43AFSA



VFD004L21B

MS300 series compact drives

MS300 series motor drives, optimised for space utilisation with up to 40% size reduction compared to existing models. They support induction and permanent magnet motors with high speed start-up and fast acceleration/ deceleration. Ideal for: Machine tools, textile machines, woodwork and packaging machines, electronics, fans,

- Control method: V/F, SVC
- Max. output frequency: 0 to 599.00 Hz (0 to 1500 Hz High speed models)
- Overload tolerance: Normal duty: 120% of rated output current for 60 sec; 150% for 3 sec
Heavy duty: 150% of rated output current for 60 sec; 200% for 3 sec
- Frequency setting: 0 - +10V/+10 - -10V, 4 - 20mA, 1 pulse input/output (33KHz)
- Motor protection: Overcurrent, overvoltage, over-temperature, phase failure protection
- Built-in PLC functionality (2K steps functionality)
- Built-in Dynamic Braking Transistor (Brake chopper)
- Removable 5-digit LED keypad for remote operation
- Multi-Motor Control (can support up to 4 IM motor control parameters)
- Easy setup with various selectable pre loaded parameters for different applications
- Safety standard compliance: Safe torque Off (SIL2/PLD) function offers high safety machine stop
- Built-in USB port for fast convenient tuning, parameter edit/copy, software update (even with mains off)
- New PCB coating to (IEC 60721-3-3 class 3C2) and thermal design suitable for harsh environments
- Built-in RS-485 communication (Profibus DP, DeviceNet, Modbus TCP, EtherNet/IP, CANopen via option cards)

type	motor rating	description	frame size	dimensions (mm)		
				(H)	(W)	(D)

MS300 series standard compact drives

Single phase input 180 - 264V 50/60Hz (three phase output voltage)

VFD1A6MS21ANSAA	200W	single-phase AC motor drive	A1	128	68	96
VFD2A8MS21ANSAA	400W	single-phase AC motor drive	A3	128	68	125
VFD4A8MS21ANSAA	750W	single-phase AC motor drive	B2	142	72	159
VFD7A5MS21ANSAA	1.5kW	single-phase AC motor drive	C1	157	87	152
VFD11AMS21ANSAA	2.2kW	single-phase AC motor drive	C1	157	87	152

Three phase 380 - 480 VAC 50/60Hz - built-in EMC filter (Class A C2)

VFD1A5MS43AFSAA	400W	three-phase AC motor drive	B3	142	72	159
VFD2A7MS43AFSAA	750W	three-phase AC motor drive	B3	142	72	159
VFD4A2MS43AFSAA	1.5kW	three-phase AC motor drive	B3	142	72	159
VFD5A5MS43AFSAA	2.2kW	three-phase AC motor drive	C2	157	87	179
VFD9A0MS43AFSAA	3.7kW	three-phase AC motor drive	C2	157	87	179
VFD13AMS43AFSAA	5.5kW	three-phase AC motor drive	D2	207	109	187
VFD17AMS43AFSAA	7.5kW	three-phase AC motor drive	D2	207	109	187
VFD25AMS43AFSAA	11.0kW	three-phase AC motor drive	E2	250	130	219
VFD32AMS43AFSAA	15.0kW	three-phase AC motor drive	E2	250	130	219
VFD38AMS43AFSAA	18.5kW	three-phase AC motor drive	F2	300	175	244
VFD45AMS43AFSAA	22.0kW	three-phase AC motor drive	F2	300	175	244

Accessories

DIN rail mounting kits

MKM-DRB	DIN rail	mounting kit for MS300	frame A and B
MKM-DRC	DIN rail	mounting kit for MS300	frame C

Extension cable to mount keypad remotely

EG1010A	keypad	communication extension for MS300 drives	1 meter
EG2010A	keypad	communication extension for MS300 drives	2 meter
EG3010A	keypad	communication extension for MS300 drives	3 meter

Communication interfaces

CMM-DN01	DeviceNet	communication card for MS300 drives
CMM-EIP01	Ethernet/IP	communication card for MS300 drives
CMM-PD01	Profibus DP	communication card for MS300 drives
CMM-MOD01	Modbus TCP	communication card for MS300 drives
CMM-COP01	CANopen	communication card for MS300 drives

Power supply

EMM-BPS01	24 VDC	external power supply for MS300 drives
-----------	--------	--

L series sub-fractional general purpose drives (ultra-compact)

- Built-in MODBUS communication
- Adjustable V/F curve control

Single-phase input 180 - 264V 50/60Hz (three phase output voltage) NPN inputs

VFD004L21A	400W	single-phase AC motor drive	132	68	128
VFD007L21A	750W	single-phase AC motor drive	132	68	128