

Delta VFD2A7MS43MFSAA

Delta Electronics VFD2A7MS43MFSAA VFD-MS300, 1HP 0.75kW 460V 2.7A HD 3.0A ND 3ph
NEMA4X 599Hz EMC Filter

Control Methods - Volt/Hertz, Sensorless Vector

Motor Compatibility - Induction Motors (IM)

- Interior Permanent Magnet Motors (IPM)

- Surface Permanent Magnet Motors (SPM)

Ratings - Heavy Duty and Normal Duty rated

Design - Compact design saves 40% space compared to existing models

Voltage Options - 115Vac 1-phase input, 230Vac 3-phase output (HD 1/4 ~ 1HP)

- 230Vac 1-phase input, 230Vac 3-phase output (HD 1/4 ~ 3HP)

- 230Vac 3-phase input, 230Vac 3-phase output (HD 1/4 ~ 20HP)

- 460Vac 3-phase input, 460Vac 3-phase output (HD 1/4 ~ 30HP)

- 575Vac 3-phase input, 575Vac 3-phase output (HD 1 ~ 10HP)

Programmable Speed - 0 ~ 599Hz for high-speed applications

Starting Torque - 200% High Starting Torque

- Low-speed control: 0.5Hz (IM), 0.0Hz (PM)

Protection and Safety - IP 20, IP21 with optional conduit box

- Conformal coated circuit boards (IEC60721-3-3, class 3C2)

- Adaptable to 50° C environment

- RFI switch for IT mains

- Power removal safety (Safe Torque Off) for Emergency Stop

Energy and Braking - Deceleration Energy Back function

- Built-in dynamic braking transistors

Category Details

Application Macros - Compressor, Fan, Pump, Conveyor, Packaging, Textiles, Machine Tool

Built-In Functions - Realtime clock & calendar

- Built-in 2K step capacity PLC

- Adjustable output current (up to 120% of drive's nominal capacity)

Quick Setup and Connections - Quick connect spring set control terminals

Inputs - 9 Digital Inputs (2 dedicated STO, 7 programmable, NPN/PNP configurable)

- 2 Analog Inputs (0 ~ 10V, -10 ~ +10V, 0 ~ 20mA, 4 ~ 20mA, PTC thermistor, RTD PT100)

Outputs - 1 Digital Output (dry contact: 1 NO, 1 NC)

- 2 Open collector transistors

- 1 Digital frequency output

- 1 Analog Output (programmable, 0 ~ 10V, 0 ~ 20mA, 4 ~ 20mA)

Communication - Channel 1 USB

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

- Channel 2 RS-485 (RJ-45, SG+, SG-, SGND terminals)
- Resident Protocols: Modbus RTU & ASCII
- Optional Protocols: Profibus DP, DeviceNet, Modbus TCP, Ethernet/IP, CANopen
- 1 Option card slot (for communication cards)



You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com