



Main

Range of product	BASIC
Product or component type	Variable speed drive
Product specific application	Pumps and fans
Asynchronous motor control profile	SVC and V/f energy saving ratio
Regulation loop	Adjustable PID regulator
Device application	Speed control

Complementary

Variant	Basic With additional power supply 24 V DC
Product destination	Asynchronous motors
Type of cooling	Fan
Network number of phases	3 phases
[Us] rated supply voltage	380...440 V - 15...10 %
Supply frequency	50...60 Hz
Motor power kW	0.75 kW for heavy duty
Motor power hp	1 hp for heavy duty
Maximum transient current	3.45 A during 1 min (heavy duty) 4.14 A during 3 s (heavy duty) 4.6 A during 0 s (heavy duty)
Speed drive output frequency	0...650 Hz
Communication port protocol	Modbus
Acceleration and deceleration ramps	Linear adjustable separately from 0.01 to 3600 s
Frequency resolution	Digital input: 0.005/50 Hz Analog input: 0.05/50 Hz
Analogue input number	2
Analogue input type	AI1 voltage: 0...10 V, impedance: 102 kOhm, resolution 0.01 V AI2 voltage: 0...10 V, impedance: 255 Ohm, resolution 0.01 V AI2 current: 0...20 mA, impedance: 255 Ohm, resolution 0.02 mA
Discrete input number	5
Discrete input type	Programmable (DI1...DI4) Programmable as pulse input (DI5)
Analogue output number	2
Analogue output type	AO1 voltage: 0...10 V AO2 voltage/current: 0...20 mA or 0...10 V
Discrete output number	3
Discrete output type	Configurable relay logic 250 V (5 A) for NO relay output circuit Configurable relay logic 250 V (3 A) for NC relay output circuit Open collector 9...30 V (50 mA) Open collector for pulse output
Output frequency	50 kHz for pulse output at DO2
Display type	7 segments LED for 25 parameters
Device composition	Built-in breaking unit

Type of installation	Indoor/outdoor
Control type	Manual using keypad Using control terminal Using serial port Three way control using output collector terminals
Continuous output current	2.3 A
Application	Bread machine Bag machine Carving machine Small conveyor Fan Pump
Device mounting	Wall mounted Enclosure DIN rail
Speed accuracy	+/- 0.1 % of nominal speed
Protection type	Overcurrent Overvoltage Undervoltage Overheating Overload
Width	80 mm
Height	150 mm
Depth	136.5 mm

Environment

Relative humidity	0...95 % without condensation
Ambient air temperature for storage	-20...60 °C
Quality labels	CE
Operating altitude	<= 1000 m
IP degree of protection	IP20
Ambient air temperature for operation	-10...40 °C
Environmental characteristic	Dust resistant Corrosive gas free Oil and vapour resistant
Vibration resistance	5.9 m/s ²