

NEW



INVERTER MOTORS





SMARTDRIVE 1ph SUPPLY

0,18kW · 0,25kW · 0,37kW · 0,55kW · 0,75kW · 1,1kW

SMARTDRIVE 3ph SUPPLY

0,75kW · 1,1kW · 1,5kW · 2,2kW · 3kW





To start the inverter motor
push
START button

Use the potentiometer
to adjust frequency

To set acceleration/deceleration ramp
push
UP+DOWN
simultaneously and set U1/U2 values

To change direction of rotation
push
UP+DOWN
simultaneously and modify U3 value

Technical data

Motor Rated Power	0,18 kW 0,37 kW 0,55 kW 0,75 kW 1,1 kW 1,5 kW 2,2 kW 3 kW
Output Voltage	0 to 230 (SMARTDRIVE1ph) 0 to 400 (SMARTDRIVE 3ph)
Output Frequency	0 to 200 Hz
External Dimensions (mm)	195x125xh95 (Casing A) 255x170xh110 (Casing B)
Input Voltage (V in)	230 V \pm 15% single-phase 400 V \pm 15% three-phase
Input Frequency	47 to 63 Hz
EMC Compatibility	Class C2 according to EN 61800-3
Frequency Resolution	0,1 Hz
Speed Accuracy	5%
Response Time	10 ms
Overload Capacity	150% for 60 secs, 200% for 1 sec
Acceleration Deceleration Time	0,1 to 599,9 secs
Carrier Frequency PWM	4 to 16KHz (default 5 KHz)
Voltage Boost	Automatic
Control Method and Speed Reference	On-Board Keypad / Remote Keypad / Inputs HW / Serial bus / Analogical Input / Potentiometer
Inputs	4 digital multifunction opto-insulated definable by dipswitch PNP NPN or self powered
Inverter Protection	Overvoltage - Undervoltage Overcurrent - Overtemperature
Ambient Temperature	-5 °C / +45 °C
Storage Environment Temperature	-15 °C / +80 °C
Relative Humidity	20 to 85 % with no condensation
Height a.s.l.	0 to 1000 m a.s.l.
Cooling System	Convection - Self-ventilated motor
Optional Board 1	1 relay output 230Vac 3A 1 analogical output at PWM 0 to 5Vdc or 0 to 10Vdc 1 analogical input definable by dipswitch 0 to 5Vdc, 0 to 10Vdc or 0 to 20mA
Optional Board 2	RS485 with proprietary protocol or MODBUS
Optional Board 3	CanBus

SMARTDRIVE basic features

Easy to use:

SMARTDRIVE

is a user friendly motor-inverter developed for several types of applications.

Reliable:

SMARTDRIVE

is designed using highly reliable components and controlled by a software with an exclusive algorithm to minimize power loss from line to motor phases.

Best frequency range:

SMARTDRIVE

is a vector controlled inverter that provide motor constant torque in a frequency range from 2Hz to 87Hz capable to beat any conventional inverter.

Signals control:

SMARTDRIVE

is "smart" as capable to handle simultaneously 4 digital input signals to manage any type of feedback.



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