

# Inverter Drives SMVector IP65

Frequency inverter

# Flexible, simple, economical, robust.



The new SMV range of IP65 inverter drives offer sophisticated auto-tuning, fast dynamic torque response with impressive low-speed operation all from a compact and simple to use package. Ingress protection to IP65 allows for use in outdoor applications and indoor environments where atmospheric moisture is present or low pressure water jets are used.



The SMV range is designed for motor applications where dynamic speed and torque control is demanded, making the units ideal for conveyors, food production lines, packaging equipment plus fan & pump systems.

#### Power Ranges

Voltages:

- 120/240 V, 1 $\Phi$  (up to 1.50 Hp [1.1 kW])
- 200/240 V, 1/3 $\Phi$  (up to 3 Hp [2.2 kW])
- 200/240 V, 3 $\Phi$  (up to 20 Hp [15 kW])
- 400/480 V, 3 $\Phi$  (up to 30 Hp [22 kW])
- 480/600 V, 3 $\Phi$  (up to 30 Hp [22 kW])

#### Overload

- 150 % overload for 60 sec's
- 200 % for 15 sec's (up to 10 Hp [7,5 kW])
- 180 % overload for 15 sec's  
(15 Hp to 30 Hp [11 kW to 22 kW])

# SMVector IP65 – simple vector control

The SMVector offers simplicity and robust protection for vector based motor control.

## Key Benefits

- IP65 integrity providing rugged environmental capabilities
- Flux Vector operation providing precise motor control
- Intuitive user interface for fast setup
- Easy navigation parameter structure
- On-board PID controller with energy saving “Sleep Mode” function
- User terminals status on 1 display
- Built in EMC filter (standard on 240 V 1Ø only, optional on 400 V/480 V 3Ø), (EN 61800-3) first and second environment, C1 and C2
- Optional mains isolator with lock off meets IEC 60947-3

## EPM Memory Chip

All SMV Series products offer the benefits of the EPM, a rugged memory chip that plugs directly into the drives fascia, cutting programming time to seconds. An EPM programming module allows drive parameters to be instantly copied onto the chip, and once plugged in, the EPM ensures the drive is ready to run without being powered up. OEM manufacturers can speed-up production and suppliers can provide effective low-cost product support.



## Potentiometer Option ESVZXM1/2/3

The potentiometer allows the speed reference to be easily controlled from the front of the drive.



## Control I/O Features

- Negative or Positive logic
- Motorized Potentiometer
- Scalable 4 – 20 mA and 0 – 10 V Analog Input with wire break detection (4 – 20 mA)
- Status relay output
- Optional remote mountable keypad

## Motor Control Features

- Auxiliary ramp to stop
- UL approved motor thermal overload protection system
- Motor brake controller
- Dual Acceleration/Deceleration rates
- 8 preset speeds
- Flying restart
- DC Injection braking
- 5 ramps
- Motor Flux Braking
- Pump rinse/Fan Purge
- 16 step Sequencer

Your nearest office



EAC  
(Russia/Ukraine)