DM SERIES

AC SERVO DRIVE

Low voltage Drive

Compact drive designed for a variety of low voltage aplications

Potential Applications

Industrial Automation
Positioning and indexing systems
Material handling
Conveyor systems
Surveillance cameras
Laboratory instrumentation and sequencing machines
Semiconductor wafer handling processes
Printing machines
Medical solution for real time digital imaging system
Automotive applications might include
Seat adjustment
Power steering
Electronically adjustable shock absorbers

Easy to use

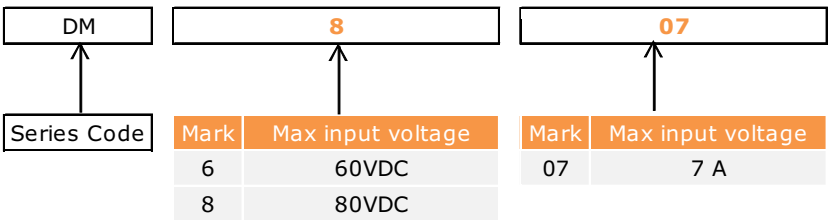
Compact designed, easy installation, friendly
User interface PC sofrware. Easy to adjust
Easy to use motor feedback
and profile configuration tools

Cost effective

High relaibility

Configure your Drive reference by our nomenclature

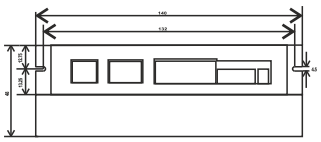
Example of Driver's nomenclature: DM807

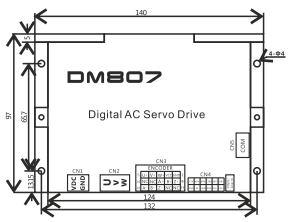


Mark	Max input voltage
6	60VDC
8	80VDC

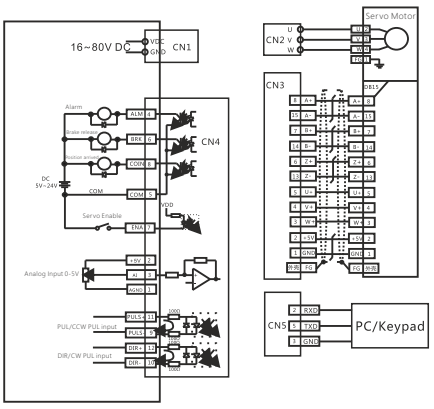
Mark	Max input voltage
07	7 A

Dimensions





Typical connection



DM AC servo drive

Basic parameters	Input voltage	DC 18-80 V
	Output current range	7A (Max 21A)
	Cooling	Natural air cooling
	Feedback	Incremental photoelectric encoder
	Control Method	Field oriented control and SWPWN (space vector modulation)
	Operate method	Position control; speed control; torque control
Position	Following error	± 1 Pulse
	Input pulse	Single pulse (PUL+DIR); Double pulse (CW,CCW)
	Max.Pulse input frequency	< 500k PPS
	Electronic Gear ratio	Electronic gear ratio A/B (1/65535<A/B<65535)
	Position complete width setting	0-10000 Pulse
	Smoothing strategy	Position slope
	Precision	1/10000
	Control source	Pulse, communication, analog voltage
Speed control	Max Speed	5000 rpm
	Min Speed	1 rpm
	Speed accuracy	1 rpm
	Smoothing strategy	Speed slope
	Control source	Pulse, communication, analog voltage
Torque control	Control source	Communication, analog voltage
I/O signal	Terminal output	Servo ready, alarm, motor zero, motor brake control
	Analog input	5V input (resolution 12bit)
	Pulse input	5V differential signal input
	Terminal input	Servo start, reset, forward position limit, reverse position limit
Monitor		Bus voltage, temperature, output current, speed, etc.
Osciloscipe function		U/V phase output current, given/feedback current, given/feedback speed, given/feedback position and encoder position
Malfunction info display		Over current, over voltage, undervoltage, overload, over temperature and encoder malfunction, etc.
communication		RS232
Display		LED
Compatible loaded inertia		5 times less than motor inertia
Weight		0,5 kg
Dimension		140mm*48mm*97mm
Ambient conditions	Working temperature	0-40 ºC
	Storage temperature	-10-70 ºC
	Humidity	5%-95%
	Protection class	IP 20
	Place requirement	Dry and free from dust
	Mounting	Vertical or horizontal
	Altitude	Under 1000m
	Atmospheric pressure	86kpa-106kpa