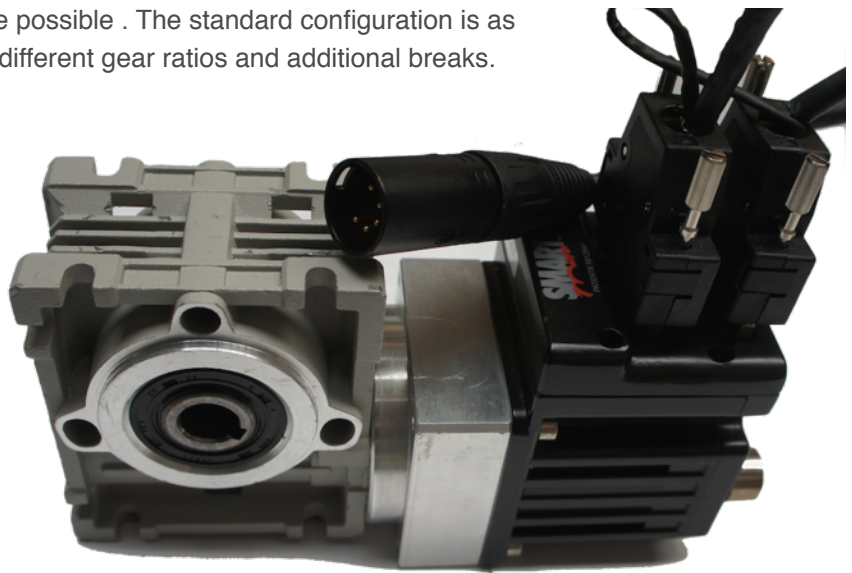


## Compact Servomotor with DMX512 control

The DMX Smart Motor is a 24-48 V brushless DC motor with internal servo control. These could be controlled by DMX 512 from a Lighting desk or a variety of industrial fields bus protocols like CAN, CAN-Open, RS232 or RS485. The motor itself is a robust industrial BLCD Motor with internal Encoder for position and Brainboard for programs controls. As these is a servomotor system these motor unit will hold on to the given position as long no other position is send to the motor. The unit is equips with a high res. encoder 4000 steps per Motor shaft turn and build as reliable high industrial unit with dynamic and Nerodym magnets. Optional the Smart Motor is available with Absolut Encoder. So no reference affront to operation is needed.

The Smart Motor can be equipped with different options of gearboxes as worm gear box or planetary gear box or combinations are possible . The standard configuration is as show in the picture a worm gearbox with different gear ratios and additional breaks.

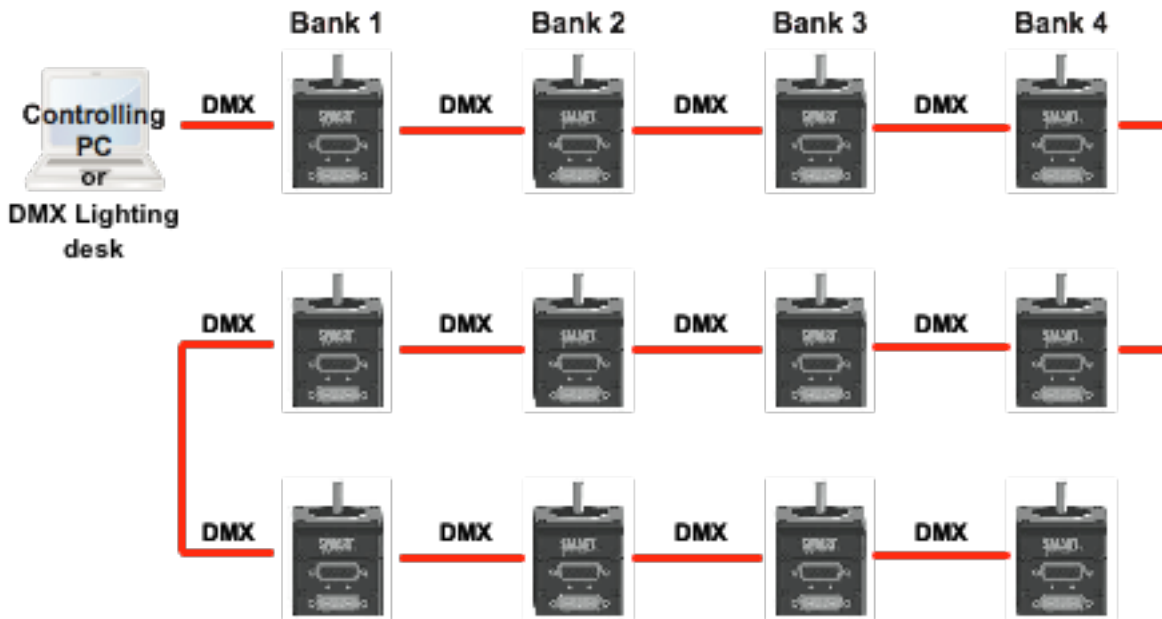


The Smart Motor comes as a complete unit a addition 48V Power supply is necessary for operating the motor DC 48 V /240 W, load 5Amp. DMX-Program can be change to the client needs.

DMX Channel offset	Function	Digital Value	Discription
1	Go function	128-132	Motor only will move when Go Function is active
2	Speed	0-255	Variable Speed
3	Position 8-bit	0-255	Variable position in 8 bit
4	Position 16 bit	0-255	Variable position in 8 bit
5	Offset from top	0-255	Max. top position
6	Offen from bottom	0-255	Max bottom position

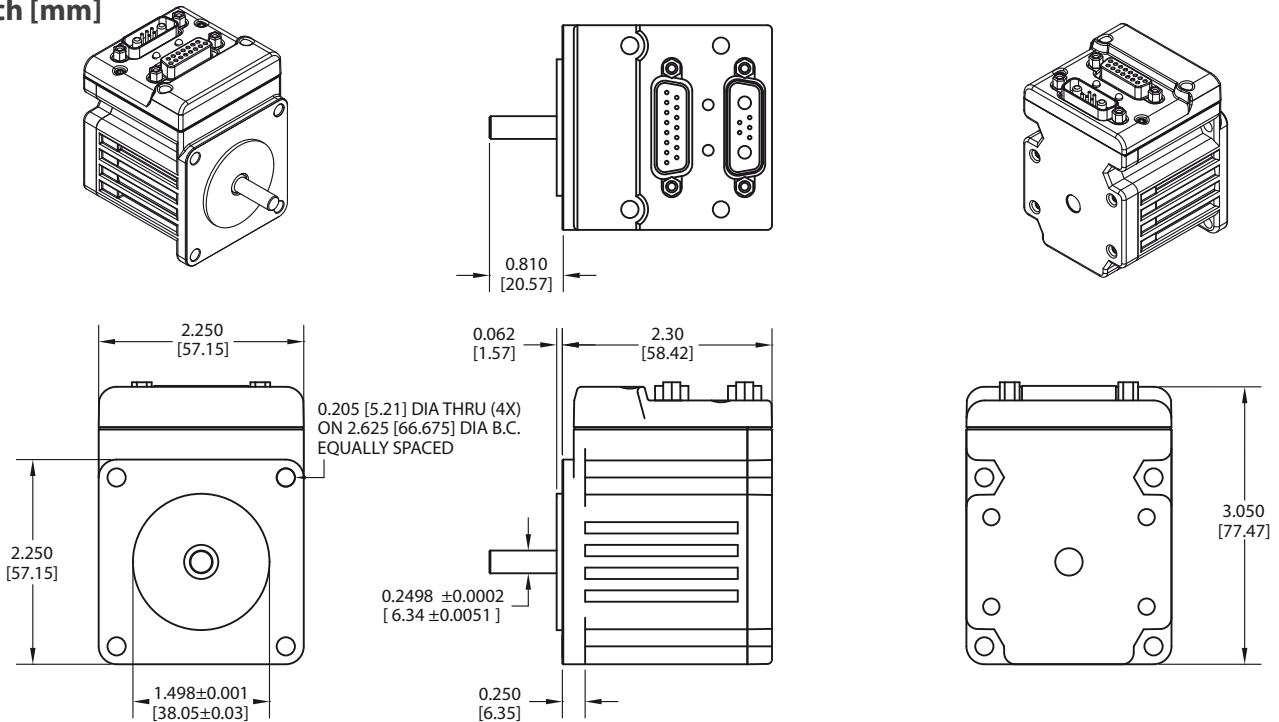
# Compact Servomotor with DMX512 control

## Standard DMX cabling



## Single Motor unit without Gear box

inch [mm]



## **Compact Servomotor with DMX512 control**

Smart Motors has additional general 5V I/O which can be used for additional sensors.

In more complex installations Smart Motor can be used as Master/ Slave mode with internal communication on position and I/O sensor input and outputs.

Smart Motor DMX could be used in different applications:

- Winch systems
- Linear Track Systems for Scenic elements and Cameras with position feedback
- moving stage and table applications
- Moving elements for scenic controls
- 3D positioning and flying controls.

Additional hardware and cabling could be purchased to the SmartMotor as given ready to use package.



19" 3HU PSU Unit 110/230V Input 4x 48VDC out 1x DMX In / 1x DMX Out, include, Emergency Stop.