

Now with CAN Bus through D-sub Connector

- Get your SmartMotor with CAN and brake
- More compact design decreases required space in machine
- Lower OEM cost applications

The CDS option SmartMotor upgrade provides users the option of employing CAN communications through the D-sub connector on the top of the motor instead of through the 5-pin connector on the back of the motor. Through a small change to the circuitry, this new option decreases the space required when integrating the motor into industrial machinery. The CDS option opens the door to numerous vertical axis applications that would benefit from SmartMotor technology by allowing for an integrated brake while using CAN.

SmartMotor Part Numbers Compatible with –CDS Option

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|---------------------|------------------------|
| • SM23165D-CDS | • SM23165D-DE-CDS |
| • SM23165DT-CDS | • SM23165DT-DE-CDS |
| • SM23165D-BRK-CDS | • SM23165D-DEBRK-CDS |
| • SM23165DT-BRK-CDS | • SM23165DT-DEBRK-CDS |
| • SM23165D-CDS-AD1 | • SM23165D-DE-CDS-AD1 |
| • SM23165DT-CDS-AD1 | • SM23165DT-DE-CDS-AD1 |

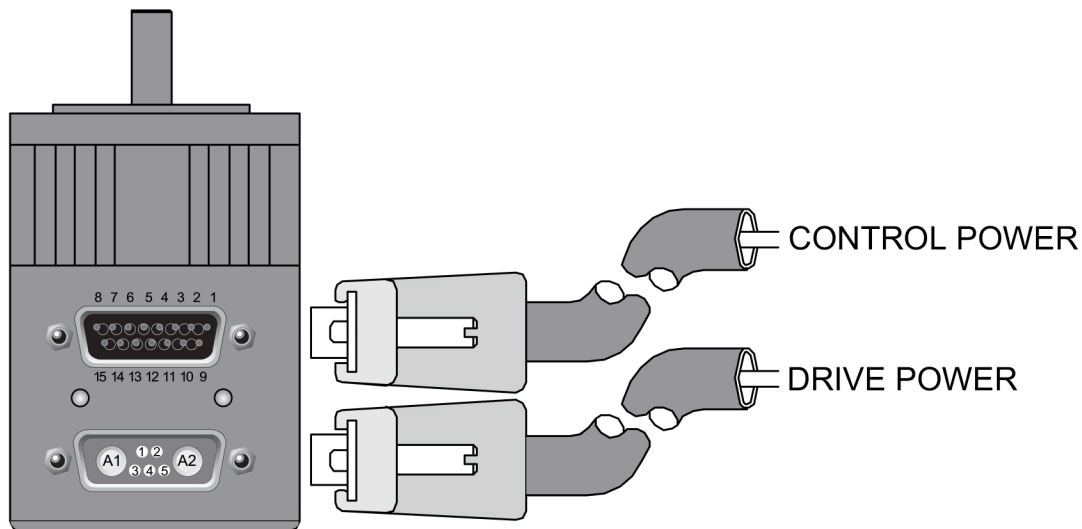


⚠ WARNING: Proper bus biasing and termination must be incorporated into system wiring to ensure quality communications over any industrial bus. Failure to do so could result in loss of communications. Please consult the associated bus standard organizations for details.

Recommended “DE” Option

The DE option allows the controller and drive-amplifier to be powered from separate 24-48 VDC power supplies.

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| • Controller can be powered from a standard 24 VDC supply | • Load surges will not cause power surge on controller |
| • Position will not be lost if drive power is lost | • Standard battery options are made simpler |
| • No need to re-home | |



Please see the *SmartMotor Installation & Startup Guide* for the schematic diagram and installation details.

NOTE:

- The same power supply may be used for control and drive power, but maximum protection is provided with separate power supplies.
- Only DE option SmartMotors can be wired in this manner. Attempting to power a non-DE motor in this way will damage the motor and void the warranty.
- To suppress back EMF, shunts should be placed between the E-stop switch and motor Drive Power input.
- All M-style SmartMotors are designed to always have separate drive and control power. As a result, no DE designation is available for those motors.

Overview
Software
C5 D-Style
C5 M-Style
C6 M-Style
C6 Low-Cost
Cables, Etc.
Actuators
Gearheads
Power Supplies