

## The Complete, Compact Motor Start Solution

5 - 150 HP; 200 - 575 V

DIGISTART  
D2



The Digistart D2 is one of the most compact, affordable motor soft start solutions available. Packed with features to save panel space and reduce installation time, the Digistart D2 is an ideal, cost-effective solution when space and cost are critical.

### Built-In Bypass Contactor

The bypass eliminates heat dissipation and energy loss and allows the use of non-ventilated enclosures.

### Motor Protection

Built-in motor overload, excess start time and phase loss detection eliminates the need for external motor protection relays.

### Simple to Install, Easy to Commission

Units can be mounted side-by-side with no gap and are DIN rail mountable up to 60 A – ideal for installations in which multiple soft starters are required. Digistart D2 is quick to commission with just seven rotary switches.



# Ratings, Specifications and Options

## Ratings

| Size | Duty       | Nominal      |     | Heavy      | Starts per Hour |
|------|------------|--------------|-----|------------|-----------------|
|      | % FLA      | 400%         |     | 400%       |                 |
|      | Start Time | 6 seconds    |     | 20 seconds |                 |
|      | Model      | (HP @ 460 V) | (A) | (A)        |                 |
| 1    | D2-16-018  | 10           | 18  | 17         | 10              |
|      | D2-16-034  | 25           | 34  | 30         |                 |
|      | D2-16-042  | 30           | 42  | 36         |                 |
|      | D2-16-060  | 40           | 60  | 49         |                 |
| 2    | D2-16-085  | 60           | 85  | 73         | 6               |
|      | D2-16-100  | 75           | 100 | 96         |                 |
| 3    | D2-16-140  | 100          | 140 | 120        | 6               |
|      | D2-16-170  | 125          | 170 | 142        |                 |
|      | D2-16-200  | 150          | 200 | 165        |                 |

## Options

| Order Code                    | Description                                                                                         |
|-------------------------------|-----------------------------------------------------------------------------------------------------|
| D2-KEYPAD                     | IP54 (NEMA 12) rated, panel mountable keypad and display for soft starter operation and monitoring. |
| D2-FINGERGUARD                | Finger guards provide IP20 (NEMA 1) protection for models D2-16-140 to D2-16-200                    |
| Fieldbus Order Code           | Description                                                                                         |
| DIGISTART-MODBUS              | Modbus RTU Interface for Digistart D3 and Digistart D2                                              |
| DIGISTART-PROFIBUS            | PROFIBUS DP Interface for Digistart D3 and Digistart D2                                             |
| DIGISTART-DEVICENET           | DeviceNet Interface for Digistart D3 and Digistart D2                                               |
| DIGISTART-USB                 | USB Interface for Digistart D3 and Digistart D2                                                     |
| DIGISTART-ETHERNET-MODBUS-TCP | Modbus TCP/IP Interface for Digistart D3 and Digistart D2                                           |
| DIGISTART-ETHERNET-IP         | EtherNet/IP Interface for Digistart D3 and Digistart D2                                             |
| DIGISTART-PROFINET-RT         | PROFINET RT Interface for Digistart D3 and Digistart D2                                             |

## Specifications

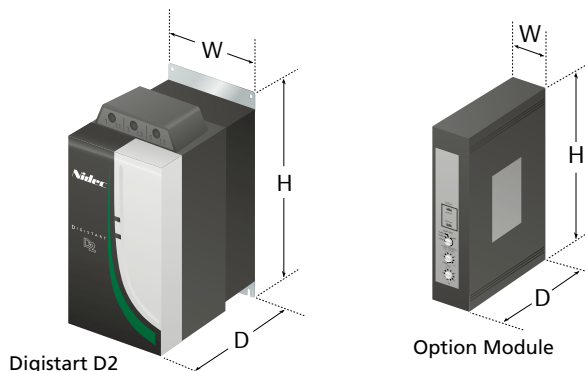
| Start modes                                                                            |                                                              |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Constant Current/Current Limit, Current Ramp                                           |                                                              |
| Stop Modes                                                                             |                                                              |
| Coast To Stop, Ramped Soft Stop                                                        |                                                              |
| General                                                                                |                                                              |
| Current Range                                                                          | 18 to 200 A (nominal)                                        |
| Motor Connection                                                                       | In-line or inside delta                                      |
| Bypass                                                                                 | Integrated internal or external                              |
| Supply                                                                                 |                                                              |
| Voltage - CSxxx                                                                        | 200 to 575 Vac (±10%/-15%)                                   |
| Control Voltage                                                                        | 110 to 240 Vac (+10% / -15%)<br>380 to 440 Vac (+10% / -15%) |
| Supply Frequency                                                                       | 45 to 66 Hz                                                  |
| Inputs                                                                                 |                                                              |
| Start                                                                                  | Normally open                                                |
| Stop                                                                                   | Normally closed                                              |
| Motor Thermistor                                                                       |                                                              |
| Relay Outputs                                                                          |                                                              |
| Main Contactor                                                                         | Normally open, 6 A, 30 Vdc resistive / 2 A, 400 Vac, AC11    |
| Programmable Relay                                                                     | Normally open, 6 A, 30 Vdc resistive / 2 A, 400 Vac, AC11    |
| Environmental                                                                          |                                                              |
| RoHS Compliant                                                                         | Standard                                                     |
| Protection                                                                             |                                                              |
| D2-16-018 to D2-16-100 = IP20 (NEMA 1)<br>D2-16-140 to D2-16-200 = IP00 (open chassis) |                                                              |
| Operating Temperature                                                                  | 14 to 104 °F (-10 to 40°C), max 140 °F (60 °C) with derating |
| Storage Temperature                                                                    | -13 to 140°F (-25 to 60°C)                                   |
| Humidity                                                                               | 5 to 95% relative                                            |
| Conformal Coating                                                                      | Standard                                                     |

## Dimensions

| Size                       | Height (H)        | Width (W)         | Depth (D)         | Weight            |
|----------------------------|-------------------|-------------------|-------------------|-------------------|
| 1                          | 8.0 in (203.2 mm) | 3.9 in (99.1 mm)  | 6.6 in (167.6 mm) | 4.6 lbs (2.1 kg)  |
| 2                          | 8.5 in (215.9 mm) | 5.7 in (144.8 mm) | 7.7 in (195.6 mm) | 9.0 lbs (4.1 kg)  |
| 3                          | 9.5 in (241.3 mm) | 8.0 in (203.2 mm) | 8.5 in (215.9 mm) | 14.3 lbs (6.5 kg) |
| Fieldbus Option Dimensions |                   |                   |                   |                   |
|                            | 6.2 in (157.5 mm) | 1.4 in (35.6 mm)  | 3.5 in (88.9 mm)  | 0.6 lbs (0.3 kg)  |

Can be mounted horizontally with 15% derating

\*Maximum height inclusive of busbar



## Option Modules

