

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

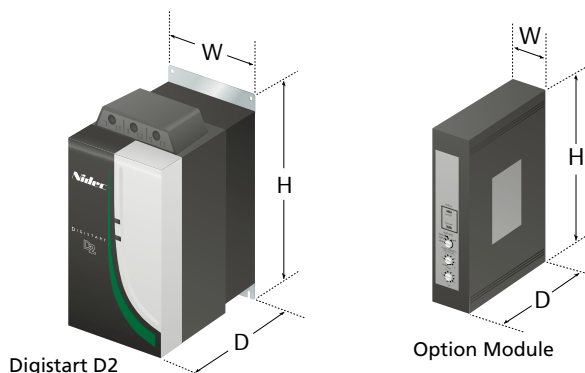
Start modes	
Constant Current/Current Limit, Current Ramp	
Stop Modes	
Coast To Stop, Ramped Soft Stop	
General	
Current Range	18 to 200 A (nominal)
Motor Connection	In-line or inside delta
Bypass	Integrated internal or external
Supply	
Voltage - CS5xxx	200 to 575 Vac ($\pm 10\%$ / -15%)
Control Voltage	110 to 240 Vac (+10% / -15%) 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 D2-16-085 = IP20 (NEMA 1) 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



PROFIBUS DeviceNet

D2 - Keypad