

VMX-PFE[™]

The Choice for Light and Medium Duty Industrial Applications 200 - 480VAC, 1 - 28A, 1.5 - 20HP

IEC Rated Soft Starter



- Easy Setup just 3 settings
- Multi-Function LED Front Panel
- Start Duty: 3 x FLA within 23 sec.
- 24VDC Control Power
- Class 10 Overload Rating
- IP20 Enclosure
- Internal Bypass
- Only 1.8" wide (Size 1)
- DIN Rail Mounted



VMX-PFE™ Cost Effective Soft Starter

Key Features

Over Current Protection

Protects the Soft Starter against usage above its duty rating.

Internally Bypassed

Reduces cost once bypass is active. Reduces cabinet size and less heat produced.

Only 1.8" Wide (Size 1)

Same width as typical contactor and enables a more compact cabinet to be used.

Din-Rail Mount

For easy installation — it just clips on.

Typical Applications





Conveyors

Fans





Pumps

Compressors

Specifications

Operational Voltage 230 - 460 Vac (-15/+10%)

Rated Frequency 50 - 60 Hz +/- 2Hz

Index Rating Class 10 – le: AC53b: 3-23: 697

Start per Hour 5 starts/stops per hour (max) - Class 10

Optimum Starts per Hour 30 starts/stops per hour (max) - Class 10 with optional fan

Internally Bypassed Yes

Control Supply 24Vdc approx. 4VA supplied externally to terminals 0V - +24V

Enabled and Start/Soft Stop 24Vdc galvanically isolated terminals -A2, EN, +A1

Indication Multifunction LEDs on front panel

Start Time1 to 30 SecondsStop Time0 to 30 Seconds

Start Duty 3 x FLC for 23 seconds at Trip Class 10 rating

Power Terminals Input 1/L1, 3/ L2, 5/L3 Output 2/T1, 4/T2, 6/T3

IP20 rated wire clamping terminals

EnclosureUL evaluated Open Type/IP20 **Ambient Temperature**0° to 104°F without de-rating

Transport/storage -13°F to 140°F

-13°F to 167°F (not exceeding 24 hours)

Altitude 3280 ft (1000m), above 328ft (1000m) de-rate linearly by 1% of unit FLC per 328ft (100m),

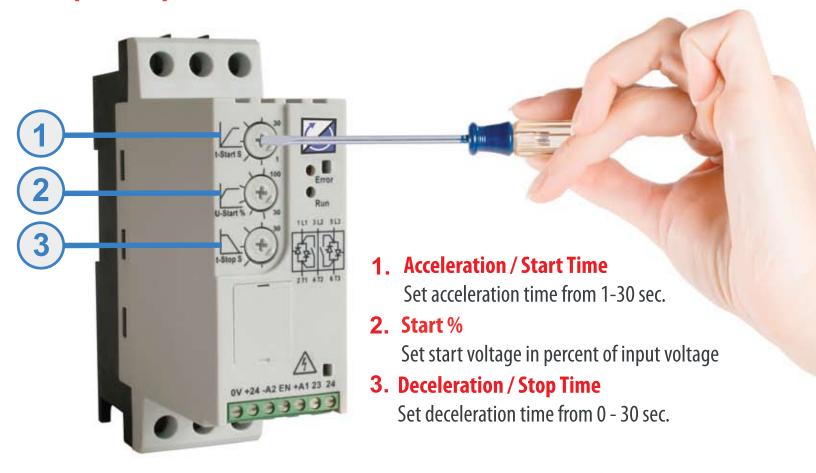
above 6562ft (2000m) contact factory.

Standards IEC 60947-4-2; EN 60947-4-2 "AC Semiconductor Motor Controllers and Starters"

UL, CE

Perfect for small AC Induction Motors

Setup as simple as 1,2, 3 in under a minute!



3S Technology

Automatic ramp control profiles ensure smooth start and stop performance, delivering stable acceleration and deceleration in all operating conditions.



Compact and Easy to Install

Ratings

Sizing Guide

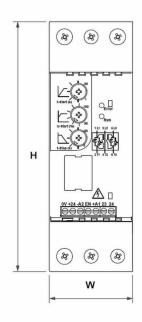
Model Number	Amps
VMX-PFE-02	3
VMX-PFE-04	3.4
VMX-PFE-06	4.8
VMX-PFE-08	4.8
VMX-PFE-10	7.6
VMX-PFE-12	11
VMX-PFE-14	14
VMX-PFE-16	14
VMX-PFE-18	21

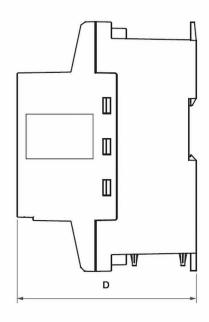
				PFE MODEL
230V		460V		5 starts/hour
Amps	HP	Amps	HP	le: AC-53b: 3-23: 697
2.2	0.5	3	1.5	VMX-PFE-02
3.2	0.75	3.4	2	VMX-PFE-04
4.2	1	4.8	3	VMX-PFE-06
6.8	2	4.8	3	VMX-PFE-08
9.6	3	7.6	5	VMX-PFE-10
9.6	3	11	7.5	VMX-PFE-12
15.2	5	14	10	VMX-PFE-14
22	7.5	21	15	VMX-PFE-18
28	10	27	20	VMX-PFE-18 + FAN

Trin Class 10

Dimensions and Weights

Model Number	Dim. H x W x D inches (mm)	Product Weight lbs. (kg)
VMX-PFE-02 thru VMX-PFE-10	5.51 (140) x 1.77 (45) x 4.73 (120)	0.88 (0.4)
VMX-PFE-12 thru VMX-PFE-18	6.5 (165) x 2.17 (55) x 4.73 (120)	1.43 (0.65)





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