150C85NBR

Allen-Bradley SMC 3 Soft Starter 480V 85A ND3W 24VAC and VDC Control

SOFT STARTERS



Component type	Soft starter
Range	SMC 3
Model	N/A
Product status	Existing

The Allen-Bradley's SMC-3 soft starters are a cost-effective solution for controlling the acceleration and deceleration of three-phase induction motors. Available with a current range from 3A to 480A and features compact, true three-phase control in a cost-effective package. Designed with overload protection, integral bypass, and motor and system diagnostics.

ELECTRICAL	Rated power three-phase motor, inline, at 400 V	45 kW
	Rated power three-phase motor, inside delta, at 400 V	75 kW
	Rated operating voltage Ue	200-480 V
	Integrated motor overload protection	Yes
	Release class	Adjustable
	Internal bypass	Yes
	Control supply voltage Us at AC 50HZ	24 V
	Control supply voltage Us at AC 60HZ	24 V
	Voltage type for actuating	AC/DC
	Control supply voltage Us at DC	24 V
	Function	Single direction
CONSTRUCTION	With display	No
	IP rating	IP2X
DIMENSIONS	Height	206 mm
	Width	72 mm
	Depth	130 mm
	Weight	2.25 kg
ENVIRONMENT	Rated surrounding temperature without derating	40 °C

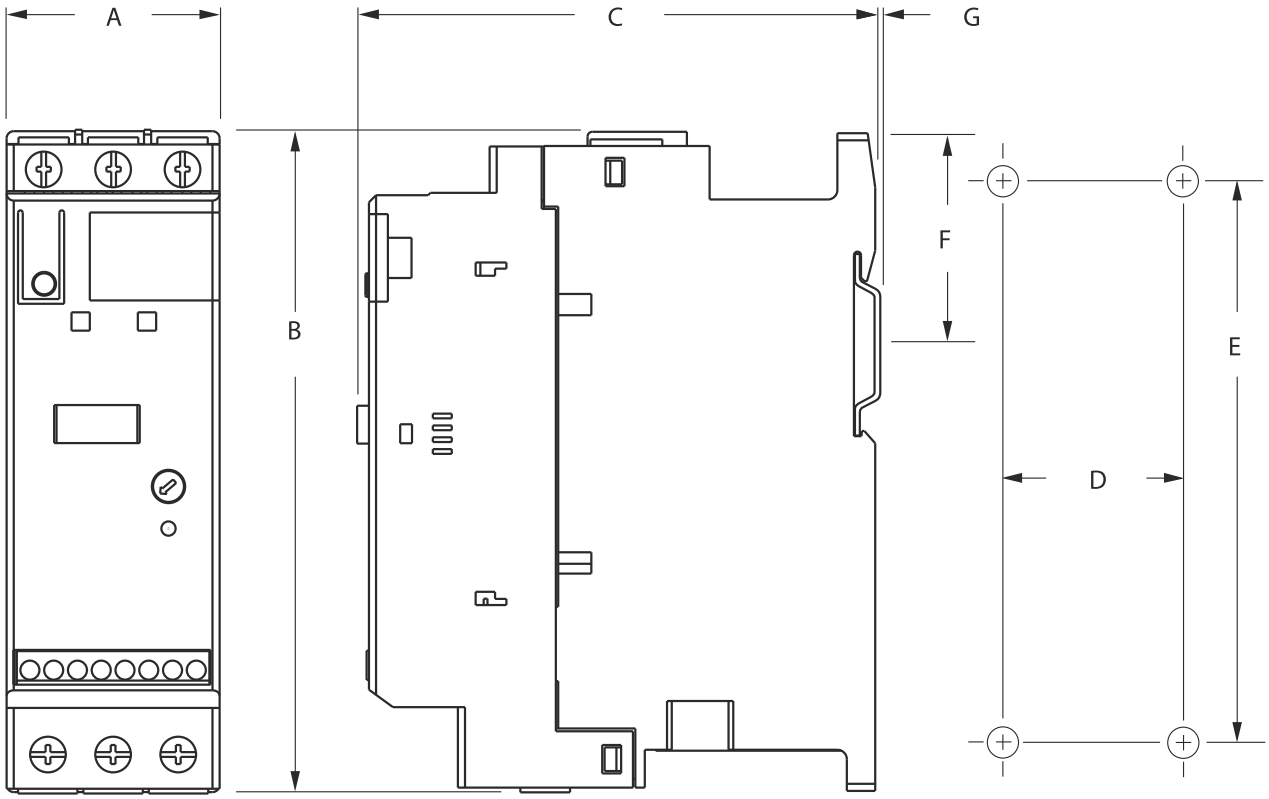
Published on 30 September 2026

150C85NBR

Allen-Bradley SMC 3 Soft Starter 480V 85A ND3W 24VAC and VDC Control

SOFT STARTERS

DIMENSIONAL DIAGRAM



Dimensions in millimeters (inches).

Controller Rating [A]	A	B	C	D	E	F	G	Mounting Hole Size	Weight kg (lbs)
1...37[1]	44.8 (1-49/64)	139.7 (5-1/2)	110 (4-21/64)	35 (1-3/8)	132 (5-13/64)	46.4 (1.81)	2 (1/16)	4.6 (0.18)	0.86 (1.9)
43...85[2]	72 (2.83)	206 (8.11)	130 (5.12)	55 (2.17)	198 (7.8)	102 (4.02)	2 (1/16)	5.3 (0.21)	2.25 (5.0)
108...135[2]	196.4 (7.74)	443.7 (17.47)	205.2 (8.08)	166.6 (6.56)	367 (14.45)	–	–	7.5 (0.295)	15 (33)
201...251[2]	225 (8.86)	560 (22.05)	265.3 (10.45)	150 (5.91)	504.1 (19.85)	–	–	11.5 (0.45)	30.4 (67)
317...480[2]	290 (11.42)	600 (23.62)	298 (11.73)	200 (7.87)	539.2 (21.23)	–	–	11.5 (0.45)	45.8 (101)

(1) Optional fan does not increase dimension B.
(2) Fan is standard.

RELATED PRODUCTS

ACCESSORY



Item No: 150C84

Required: No

Description: Allen-Bradley SMC 3 Soft Starter Protection Module 480V for 150C 3 and 37A NB



Item No: 150C84P

Required: No

Description: Allen-Bradley SMC 3 Soft Starter Protection Module 480V for 150C 43 and 85A NB

150C85NBR

Allen-Bradley SMC 3 Soft Starter 480V 85A ND3W 24VAC and VDC Control

SOFT STARTERS

RELATED PRODUCTS

ACCESSORY



Item No: 150CA01

Required: No

Description: Allen-Bradley SMC 3 Soft Starter Auxiliary Contact with 1NC Contact



Item No: 150CA10

Required: No

Description: Allen-Bradley SMC 3 Soft Starter Auxiliary Contact with 1NO Contact



Item No: 150CA11

Required: No

Description: Allen-Bradley SMC 3 Soft Starter Auxiliary Contact with 1NO 1NC Contact



Item No: 150CA20

Required: No

Description: Allen-Bradley SMC 3 Soft Starter Auxiliary Contact with 2NO Contact



Item No: 150CF64

Required: No

Description: Allen-Bradley SMC 3 Soft Starter Optional Fan for 150C 3 and 37A



Item No: 150F84L

Required: No

Description: Allen-Bradley SMC Flex Soft Starter Protection Module 480V for 150F 90 and 520A



Item No: 150TC1

Required: No

Description: Allen-Bradley SMC Flex Soft Starter Terminal Cover for IP20 Rating for 150F 108 to 135A



Item No: 150TC2

Required: No

Description: Allen-Bradley SMC Flex Soft Starter Terminal Cover for IP20 Rating for 150F 201 to 251A



Item No: 150TC3

Required: No

Description: Allen-Bradley SMC Flex Soft Starter Terminal Cover for IP20 Rating for 150F 317 to 480A

Published on 30 September 2026