150S251NBR

Allen-Bradley SMC 50 Soft Starter 480V 251A ND3W 24VDC Control

SOFT STARTERS



Component type	Soft starter
Range	SMC 50
Model	N/A
Product status	Existing

The Allen-Bradley's SMC-50 soft starters are designed to provide smooth, controlled starting and stopping of motors. Available with a current range from 104A to 480 A with internal bypass and from 90A to 520A in the solid state form. With advanced monitoring and protection functions, superior communication capability, and energy saver mode increases efficiency and reduce downtime.

ELECTRICAL	Rated power three-phase motor, inline, at 400 V	132 kW
	Rated power three-phase motor, inside delta, at 400 V	250 kW
	Rated operating voltage Ue	200-480 V
	Integrated motor overload protection	Yes
	Release class	Adjustable
	Internal bypass	Yes
	Torque control	Yes
	Voltage type for actuating	DC
	Control supply voltage Us at DC	24 V
	Function	Single direction
CONSTRUCTION	With display	No
	IP rating	IP00
DIMENSIONS	Height	560 mm
	Width	225 mm
	Depth	277.4 mm
	Weight	30.8 kg
ENVIRONMENT	Rated surrounding temperature without derating	40 °C

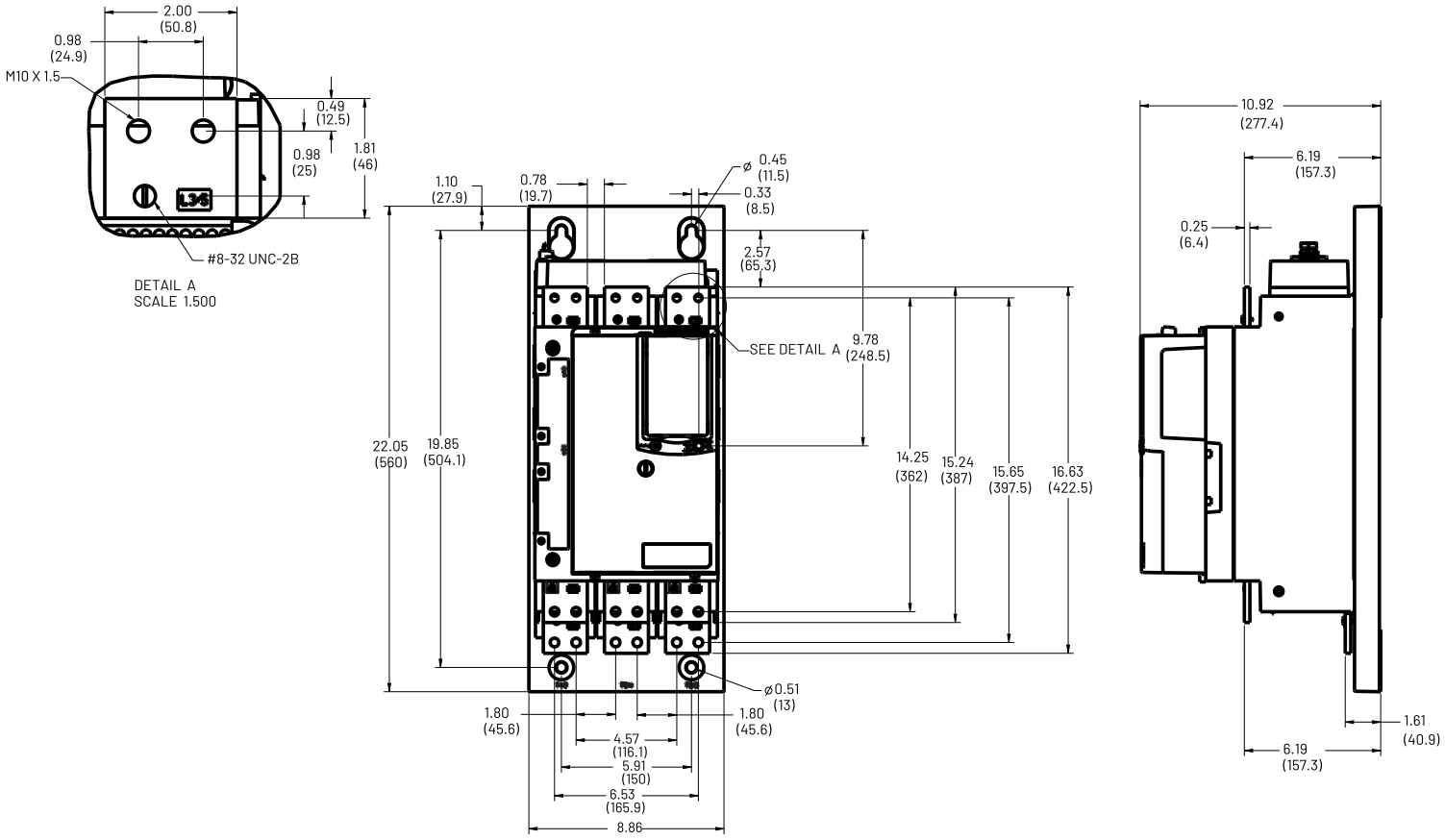
Published on 06 November 2026

150S251NBR

Allen-Bradley SMC 50 Soft Starter 480V 251A ND3W 24VDC Control

SOFT STARTERS

DIMENSIONAL DIAGRAM



RELATED PRODUCTS

ACCESSORY



Item No: 150F84L

Required: No

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



Item No: 150F86L

Required: No

Description: Allen-Bradley SMC Flex Soft Starter Protection Module 600V for 150F 90 and 520A



Item No: 150SCBK

Required: No

Description: Allen-Bradley SMC 50 Soft Starter Bypass Relay Kit for 150S C Frame



Item No: 150SDBK

Required: No

Description: Allen-Bradley SMC 50 Soft Starter Bypass Relay Kit for 150S D Frame



Item No: 150SM2

Required: No

Description: Allen-Bradley SMC 50 Expansion Module Ground Fault Current Feedback and PTC



Item No: 150SM3

Required: No

Description: Allen-Bradley SMC 50 Soft Starter Analog IO Expansion Module

Published on 06 November 2026

150S251NBR

Allen-Bradley SMC 50 Soft Starter 480V 251A ND3W 24VDC Control

SOFT STARTERS

RELATED PRODUCTS

ACCESSORY



Item No: 150SM4
Required: No
Description: Allen-Bradley SMC 50 Soft Starter Digital IO Expansion Module



Item No: 150SM6
Required: No
Description: Allen-Bradley SMC 50 Soft Starter Parameter Configuration Module

Item No: 150STCB
Required: No
Description: Allen-Bradley SMC 50 Soft Starter Terminal Cover IP20 for 150S B Frame



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



Item No: 20COMMC
Required: No
Description: Allen-Bradley PowerFlex VSD Coaxial ControlNet Communication Module



Item No: 20COMMD
Required: No
Description: Allen-Bradley PowerFlex VSD DeviceNet Communication Module



Item No: 20COMME
Required: No
Description: Allen-Bradley PowerFlex VSD Single Port EtherNet IP Communication Module



Item No: 20COMMER
Required: No
Description: Allen-Bradley SMC Flex PowerFlex 7 Dual Port EtherNet IP Communication Module



Item No: 825CBCT
Required: No
Description: Allen-Bradley SMC 50 Core Balance Transformer 110 mm Window 100 to 1 Ratio

Published on 06 November 2026