

APTER POWER PRODUCT MANUAL

6SE6440-2UD31-1CA1

MICROMASTER 440 11 kW / 15 kW Variable Frequency Drive

The Siemens 6SE6440-2UD31-1CA1 is a MICROMASTER 440 variable frequency drive for three-phase 380 to 480 V input. It regulates induction-motor speed and torque, with an 11 kW constant-torque rating or a 15 kW variable-torque rating under the published conditions.

The drive converts fixed-frequency mains power into a controlled motor supply and processes command, analog, digital, relay, and motor-temperature signals for pumps, fans, conveyors, and machinery.

Manufacturer	Siemens
Prepared by	Apter Power
Document ID	AP-SIE-29-6SE6440-2UD31-1CA1-PM-R1
Revision	R1
Issue date	2026-08-14

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Match Duty, Motor, and Parameters Before the MM440 Runs.

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



SCAN FOR PRODUCT & QUOTE
6SE6440-2UD31-1CA1

1. Product Overview and Identity

The Siemens 6SE6440-2UD31-1CA1 is a MICROMASTER 440 variable frequency drive for three-phase 380 to 480 V input. It regulates induction-motor speed and torque, with an 11 kW constant-torque rating or a 15 kW variable-torque rating under the published conditions.

The drive converts fixed-frequency mains power into a controlled motor supply and processes command, analog, digital, relay, and motor-temperature signals for pumps, fans, conveyors, and machinery.

Model Configuration

Field	Verified information
Complete model	6SE6440-2UD31-1CA1
Manufacturer	Siemens
Product description	MICROMASTER 440 11 kW / 15 kW Variable Frequency Drive

Key Features

- Exact 6SE6440-2UD31-1CA1 identity retained
- Manufacturer-source data separated from unconfirmed values
- MICROMASTER 440
- System context: MICROMASTER 440
- Model-specific lifecycle and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product family	MICROMASTER 440
Input	3 AC 380 to 480 V, plus/minus 10 percent
Input frequency	47 to 63 Hz
Constant-torque rating	11 kW
Variable-torque rating	15 kW
Overload	150 percent for 60 s; 200 percent for 3 s under CT rating
Protection	IP20
Digital inputs	6
Relay outputs	3
Analog inputs / outputs	2 / 2
Dimensions	245 x 185 x 195 mm
Net weight	Approx. 5.5 kg

Verification Note

Use the complete 6SE6440-2UD31-1CA1 identifier. Siemens lists 6SE6440-2UD31-1CA1 in the spare/support phase from 1 October 2019. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- The drive converts fixed-frequency mains power into a controlled motor supply and processes command, analog, digital, relay, and motor-temperature signals for pumps, fans, conveyors, and machinery.
- Maintains the documented MICROMASTER 440 system role for this exact article number.
- Provides an exact reference for engineering, maintenance, and quotation review.

Application Areas

Application	System role
Conveyors and machinery	Control speed and acceleration under constant-torque load.
Pumps and fans	Use the 15 kW variable-torque operating class where applicable.
Industrial retrofit	Restore a verified MM440 drive and parameter set.

Compatible Components

- Three-phase induction motor and load within the selected rating
- MICROMASTER 440 control wiring, braking, EMC, and line accessories approved for the design
- Parameter set, operator panel, and communications options documented for the machine

Lifecycle Status

Siemens lists 6SE6440-2UD31-1CA1 in the spare/support phase from 1 October 2019.

4. Installation Precautions

- Wait for DC-link discharge and verify absence of voltage
- Back up the complete parameter set
- Confirm motor nameplate and CT/VT duty
- Verify EMC, grounding, braking, and thermal design
- Run an uncoupled direction test before full-load operation

STOP - Verify before installation

Use the complete 6SE6440-2UD31-1CA1 identifier. Siemens lists 6SE6440-2UD31-1CA1 in the spare/support phase from 1 October 2019. Values not published in the cited Siemens source are intentionally not inferred.

Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens Industry Mall product record and technical data sheet for 6SE6440-2UD31-1CA1.

Apter Power product page

<https://www.apterpower.com/Siemens/6SE6440-2UD31-1CA1>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.