

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Siemens 6EP1434-2BA20

SITOP PSU300S 24 V/10 A Power Supply

SIEMENS	
SITOP power supply	
SITOP PSU300S	
Manual	
Overview	1
Safety instructions	1
Description, device design, dimension drawing	2
Mounting/hanging	3
Mounting position, mounting clearance	4
Installation	5
Technical data	6
Safety, approvals, EMC	7
Ambient conditions	8
Applications	9
Environment	10
Service & Support	11
SITOP PSU300S 24 V/5 A SITOP PSU300S 24 V/10 A SITOP PSU300S 24 V/15 A SITOP PSU300S 24 V/20 A SITOP PSU300S 24 V/30 A SITOP PSU300S 24 V/40 A SITOP PSU300S 24 V/50 A	
12.2018 020001-01/2018 4-11 7628	

PRODUCT	6EP1434-2BA20
FAMILY	SITOP smart - Three-phase 24 V DC
FUNCTION	SITOP PSU300S 24 V/10 A Power Supply
STATUS	Verify exact configuration

Prepared by Amikon Limited from Siemens SITOP PSU300S Manual C98130-A7587-A1-7-7629 and official 6EP1434-2BA20 technical data. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Product model	6EP1434-2BA20
Product designation	SITOP PSU300S 24 V/10 A stabilized power supply
Input voltage	400 to 500 V three-phase AC
Input frequency	50/60 Hz
Rated output voltage	24 V DC
Rated output current	10 A
Rated output power	240 W

02 MOUNTING AND CONNECTION

- Verify the exact 6EP1434-2BA20 order number, 24 V/10 A rating, input system, and cabinet environmental conditions.
- Disconnect and secure the three-phase supply before mounting, wiring, removal, or adjustment.
- Snap the unit onto a 35 mm DIN rail in the permitted orientation and maintain Siemens mounting clearances for natural convection.
- Connect L1, L2, L3, and PE with the specified conductor size and install the required upstream three-pole protection.
- Connect the 24 V DC output and 24 V OK signaling contact with correct polarity, conductor preparation, and terminal torque.

SIEMENS

SITOP power supply

SITOP PSU300S

Manual

Overview

Safety instructions	1
Description, device design, dimension drawing	2
Mounting/removal	3
Mounting position, mounting clearances	4
Installation	5
Technical data	6
Safety, approvals, EMC	7
Ambient conditions	8
Applications	9
Environment	10
Service & Support	11

SITOP PSU300S 24 V/5 A
6EP1433-2BA20
SITOP PSU300S 24 V/10 A
6EP1434-2BA20
SITOP PSU300S 24 V/20 A
6EP1436-2BA10
SITOP PSU300S 24 V/40 A
6EP1437-2BA20

12.2016
C98130-A7587-A1-7-7629

Official manufacturer reference reproduced from Siemens SITOP PSU300S Manual C98130-A7587-A1-7-7629 and official 6EP1434-2BA20 technical data. Use the current source document and all referenced drawings and notes for installation.

04

CABLE ROUTING AND CONNECTION

- Disconnect and secure the three-phase supply before mounting, wiring, removal, or adjustment.
- Snap the unit onto a 35 mm DIN rail in the permitted orientation and maintain Siemens mounting clearances for natural convection.
- Connect L1, L2, L3, and PE with the specified conductor size and install the required upstream three-pole protection.
- Connect the 24 V DC output and 24 V OK signaling contact with correct polarity, conductor preparation, and terminal torque.
- Before commissioning, verify protective earth, terminal tightness, output voltage, load current, status indication, signaling contact, ventilation, and temperature derating.

05

INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Confirm normal indications and fault-contact state after commissioning.
- Record the installed order number and baseline operating condition.

06

CONTROLLED DOCUMENTS

Official source	Siemens SITOP PSU300S Manual C98130-A7587-A1-7-7629 and official 6EP1434-2BA20 technical data
Product record	6EP1434-2BA20
Manufacturer	Siemens
Support	INFO@AMIKON.CN