

INDUSTRIAL COMPONENT DATA

SPX500A1-4A4N1 125444 Y7-125444 EATON ELECTRIC

Variable frequency drive, 400 V AC, 3-phase, 315 kW, IP21, Ra..

Brand: EATON - MOELLER | Manufacturer Part Number: SPX500A1-4A4N1



Manufacturer	EATON - MOELLER
MPN / Reference	SPX500A1-4A4N1
Catalog number	Y7-125444
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-37AEEE808C
Generated	2026-08-03

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 315 kW, IP21, Radio interference suppression filter, OLED display, DC link choke, FR11

SPX500A1-4A4N1

Variable frequency drive, Part group reference (e.g. DIL): SPX, Rated operational voltage: $U_e = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, 500 V AC, 3-phase, Output voltage with V_e : $U_2 = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, 500 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 380 (-15\%) - 500 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 590 \text{ A}$, Rated operational current At 110% overload: $I_e = 650 \text{ A}$, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: For AC motors with internal and external ventilation with 50 Hz / 60 Hz, Overload cycle for 60 s every 600 s, at 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 315 \text{ kW}$, 110 % Overload: $P = 355 \text{ kW}$, 150 % Overload: $I_M = 544 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 500 \text{ HP}$, 110 % Overload: $P = 550 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 590 \text{ A}$, Degree of Protection: IP21, Fieldbus connection (optional): PROFIBUS-DP, LonWorks, CANopen®, DeviceNet, Modbus-TCP, BACnet/IP, Fitted with: Radio interference suppression filter, OLED display, DC link choke, Frame size: FR11, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/EN 61800-3, Safety requirements: IEC/EN 618...

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	EATON - MOELLER > Eaton Frequency Converters
--------------	--

Additional Product Information

General specifications

Product Name Eaton SPX variable frequency drive Catalog Number 125444 Model Code SPX500A1-4A4N1 EAN

4015081230501 Product Length/Depth 602 mm Product Height 2020 mm Product Width 794 mm Product Weight 350 kg

Certifications Certified by UL for use in Canada

IEC/EN61800-5

UL Category Control No.: NMMS, NMMS2, NMMS7, NMMS8

IEC/EN61800-3

UL report applies to both US and Canada

CSA-C22.2 No. 14

UL

RCM

Specification for general requirements: IEC/EN 61800-2

CSA Class No.: 3211-06

UL File No.: E134360

RoHS, ISO 9001

DNV

IEC/EN 61800-3

UL 508C

CUL

Safety: EN 61800-5-1: 2003

CE General

Degree of protection NEMA 1

IP21 Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Fitted with: Control unit

OLED display

PC connection

Radio interference suppression filter

Internal DC link

IGBT inverter

DC link choke Frame size FR11 Functions 4-quadrant operation possible Mounting position Vertical Product Category

Variable frequency drives Protection Finger and back-of-hand proof, Protection against direct contact (BGV A3, VBG4)

Radio interference class C2, C3: depending on the motor cable length, the connected load, and ambient conditions.

External radio interference suppression filters (optional) may be necessary. Suitable for Branch circuits, (UL/CSA) Climatic environmental conditions

Altitude Max. 1000 m

Above 1000 m with 1 % performance reduction per 100 m

Max. 3000 m Ambient operating temperature - min -10 °C Ambient operating temperature -....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / SPX500A1-4A4N1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.