

INDUSTRIAL COMPONENT DATA

SPX250A1-4A4N1 125671 Y7-125671 EATON ELECTRIC

Variable frequency drive SPX 3-/3-phase 480 V 160 kW dynamic ..

Brand: EATON - MOELLER | Manufacturer Part Number: SPX250A1-4A4N1



Manufacturer	EATON - MOELLER
MPN / Reference	SPX250A1-4A4N1
Catalog number	Y7-125671
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-84DD0FC03A
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Product Overview

Variable frequency drive SPX 3-/3-phase 480 V 160 kW ; dynamic vector control; degree of protection IP21; integrated EMC filter; with input fuse

SPX250A1-4A4N1

Variable frequency drive, 400 V AC, 3-phase, 160 kW, IP21, Radio interference suppression filter, OLED display, FR10
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: $I_e = 300 \text{ A}$, Rated operational current At 110% overload: $I_e = 385 \text{ A}$, 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: $P = 160 \text{ kW}$, 110 % Overload: $P = 200 \text{ kW}$, 150 % Overload: $I_M = 279 \text{ A}$, 110 % Overload: $I_M = 349 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 250 \text{ HP}$, 110 % Overload: $P = 300 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 302 \text{ A}$, 110 % Overload: $I_M = 361 \text{ A}$, Degree of Protection: IP21, Fieldbus connection (optional): PROFIBUS-DP, LonWorks, CANopen®, DeviceNet, Modbus-TCP, BACnet/IP, Fitted with: Radio interference suppression fi...

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
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Additional Product Information

General specifications

Product Name Eaton SPX variable frequency drive Catalog Number 125671 Model Code SPX250A1-4A4N1 EAN

4015081232819 Product Length/Depth 602 mm Product Height 2020 mm Product Width 595 mm Product Weight 275 kg

Certifications CUL

IEC/EN61800-5

UL

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

Safety: EN 61800-5-1: 2003

IEC/EN 61800-3

UL File No.: E134360

CE

Certified by UL for use in Canada

CSA Class No.: 3211-06

RCM

IEC/EN61800-3

Specification for general requirements: IEC/EN 61800-2

CSA-C22.2 No. 14

DNV

RoHS, ISO 9001

UL report applies to both US and Canada

UL 508C General

Degree of protection NEMA 1

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

DC link choke

PC connection

Radio interference suppression filter

Internal DC link

IGBT inverter

OLED display Frame size FR10 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

Max. 3000 m

Above 1000 m with 1 % performance reduction per 100 m Ambient operating temperature - min -10 °C Ambient operating temperature -....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / SPX250A1-4A4N1 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

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