

INDUSTRIAL COMPONENT DATA

SPX050A1-4A1N1 125331 Y7-125331 EATON ELECTRIC

Variable frequency drive, 400 V AC, 3-phase, 37 kW, IP21, Rad..

Brand: EATON - MOELLER | Manufacturer Part Number: SPX050A1-4A1N1



Manufacturer	EATON - MOELLER
MPN / Reference	SPX050A1-4A1N1
Catalog number	Y7-125331
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-9CF9DC871D
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Product Overview

Variable frequency drive, 400 V AC, 3-phase, 37 kW, IP21, Radio interference suppression filter, OLED display, DC link choke, FR7

SPX050A1-4A1N1

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: $I_e = 72 \text{ A}$, Rated operational current At 110% overload: $I_e = 87 \text{ A}$, 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: $P = 37 \text{ kW}$, 110 % Overload: $P = 45 \text{ kW}$, 150 % Overload: $I_M = 68 \text{ A}$, 110 % Overload: $I_M = 81 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 50 \text{ HP}$, 110 % Overload: $P = 60 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 65 \text{ A}$, 110 % Overload: $I_M = 77 \text{ A}$, 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: FR7, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/...

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 125331 Model Code SPX050A1-4A1N1 EAN 4015081229376 Product Length/Depth 640 mm Product Height 257 mm Product Width 237 mm Product Weight 35 kg
Certifications Certified by UL for use in Canada

IEC/EN61800-3

UL

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

CSA-C22.2 No. 14

UL report applies to both US and Canada

CSA Class No.: 3211-06

IEC/EN 61800-3

UL File No.: E134360

DNV

RCM

Safety: EN 61800-5-1: 2003

Specification for general requirements: IEC/EN 61800-2

RoHS, ISO 9001

CUL

CE

IEC/EN61800-5

UL 508C General

Degree of protection IP21

NEMA Other Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Fitted with: Internal DC link

DC link choke

OLED display

Radio interference suppression filter

IGBT inverter Frame size FR7 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 Above 1000 m with 1 % performance reduction per 100 m

Max. 1000 m

Max. 3000 m Ambient operating temperature - min -10 °C Ambient operating temperature - max 50 °C Ambient operating temperature at 150% overload - min -10...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / SPX050A1-4A1N1 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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