

## INDUSTRIAL COMPONENT DATA

# SPX050A2-4A1B1 138610 Y7-138610 EATON ELECTRIC

## Variable frequency drive, 400 V AC, 3-phase, 37 kW, IP54, Rad..

Brand: EATON - MOELLER | Manufacturer Part Number: SPX050A2-4A1B1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | SPX050A2-4A1B1                     |
| Catalog number  | Y7-138610                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-A62C70BEC1                      |
| Generated       | 2026-08-02                         |

### Product Overview

Variable frequency drive, 400 V AC, 3-phase, 37 kW, IP54, Radio interference suppression filter, Brake chopper, OLED display, DC link choke, FR7

SPX050A2-4A1B1

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: IP54, Fieldbus connection (optional): PROFIBUS-DP, LonWorks, CANopen®, DeviceNet, Modbus-TCP, BACnet/IP, Fitted with: Radio interference suppression filter, Brake chopper, OLED display, DC link choke, Frame size: FR7, Standards: Specification for general requirements: IEC/EN 61...

## 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

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### General specifications

Product Name Eaton SPX variable frequency drive Catalog Number 138610 Model Code SPX050A2-4A1B1 EAN

4015081353903 Product Length/Depth 640 mm Product Height 257 mm Product Width 237 mm Product Weight 35 kg

Certifications IEC/EN 61800-3

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

IEC/EN61800-5

IEC/EN61800-3

UL

UL 508C

Certified by UL for use in Canada

CSA Class No.: 3211-06

CSA-C22.2 No. 14

UL File No.: E134360

RoHS, ISO 9001

CE

CUL

DNV

RCM

Safety: EN 61800-5-1: 2003

Specification for general requirements: IEC/EN 61800-2

UL report applies to both US and Canada General

Degree of protection IP54

NEMA Other Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Fitted with: Radio interference suppression filter

IGBT inverter

Internal DC link

DC link choke

OLED display

Brake chopper 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 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 - max 50 °C Ambient operating temperature at 150% over...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / SPX050A2-4A1B1 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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