

## INDUSTRIAL COMPONENT DATA

# SPX100A2-4A1B1 138613 Y7-138613 EATON ELECTRIC

## Variable frequency drive SPX 3-/3-phase 480 V for 75 kW dynam..

Brand: EATON - MOELLER | Manufacturer Part Number: SPX100A2-4A1B1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | SPX100A2-4A1B1                     |
| Catalog number  | Y7-138613                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-7E9736A2C2                      |
| Generated       | 2026-08-04                         |

### Product Overview

Variable frequency drive SPX 3-/3-phase 480 V for 75 kW; dynamic vector control; protection type IP54; integrated EMC filter and braking transistor

SPX100A2-4A1B1

Variable frequency drive, 400 V AC, 3-phase, 75 kW, IP54, Radio interference suppression filter, Brake chopper, OLED display, FR8

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:  $I_e = 140 \text{ A}$ , Rated operational current At 110% overload:  $I_e = 170 \text{ A}$ , 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:  $P = 75 \text{ kW}$ , 110 % Overload:  $P = 90 \text{ kW}$ , 150 % Overload:  $IM = 134 \text{ A}$ , 110 % Overload:  $IM = 161 \text{ A}$ , Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 100 \text{ HP}$ , 110 % Overload:  $P = 125 \text{ HP}$ , Assigned motor rating 150 % Overload:  $IM = 124 \text{ A}$ , 110 % Overload:  $IM = 156 \text{ A}$ , Degree of Protection: IP54, Fieldbus connection (optional): PROFIBUS-DP, LonWorks, CANopen®, DeviceNet, Modbus-TCP, BACnet/IP, Fitted with: Radio interference....

## 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 138613 Model Code SPX100A2-4A1B1 EAN

4015081353934 Product Length/Depth 758 mm Product Height 344 mm Product Width 291 mm Product Weight 58 kg

Certifications IEC/EN61800-3

RCM

Specification for general requirements: IEC/EN 61800-2

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

Certified by UL for use in Canada

RoHS, ISO 9001

UL 508C

UL File No.: E134360

DNV

Safety: EN 61800-5-1: 2003

CUL

IEC/EN61800-5

CE

IEC/EN 61800-3

UL

CSA Class No.: 3211-06

UL report applies to both US and Canada

CSA-C22.2 No. 14 General

Degree of protection IP54

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

IGBT inverter

OLED display

DC link choke

Radio interference suppression filter

Brake chopper Frame size FR8 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. 3000 m

Max. 1000 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 / SPX100A2-4A1B1 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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