

INDUSTRIAL COMPONENT DATA

SPX005A1-4A1B1 125659 Y7-125659 EATON ELECTRIC

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

Brand: EATON - MOELLER | Manufacturer Part Number: SPX005A1-4A1B1



Manufacturer	EATON - MOELLER
MPN / Reference	SPX005A1-4A1B1
Catalog number	Y7-125659
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-DD61CE0492
Generated	2026-08-03

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 3 kW, IP21, Radio interference suppression filter, Brake chopper, OLED display, DC link choke, FR4

SPX005A1-4A1B1

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: $I_e = 7.6 \text{ A}$, Rated operational current At 110% overload: $I_e = 9 \text{ A}$, 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: $P = 3 \text{ kW}$, 110 % Overload: $P = 4 \text{ kW}$, 150 % Overload: $I_M = 6.6 \text{ A}$, 110 % Overload: $I_M = 8.5 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 5 \text{ HP}$, 110 % Overload: $P = 6 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 7.6 \text{ A}$, 110 % Overload: $I_M = 7.6 \text{ A}$, Degree of Protection: IP21, 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: FR4, Standards: Specification for general 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 125659 Model Code SPX005A1-4A1B1 EAN

4015081232697 Product Length/Depth 327 mm Product Height 190 mm Product Width 128 mm Product Weight 5 kg

Certifications IEC/EN61800-5

UL report applies to both US and Canada

CSA Class No.: 3211-06

CE

Specification for general requirements: IEC/EN 61800-2

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

CSA-C22.2 No. 14

UL File No.: E134360

Safety: EN 61800-5-1: 2003

Certified by UL for use in Canada

CUL

RCM

DNV

UL 508C

IEC/EN 61800-3

RoHS, ISO 9001

IEC/EN61800-3

UL General

Degree of protection IP21

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

DC link choke

Internal DC link

Brake chopper

Radio interference suppression filter

IGBT inverter Frame size FR4 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. 3000 m

Above 1000 m with 1 % performance reduction per 100 m

Max. 1000 m Ambient operating temperature - min -10 °C Ambient operating temperature - max 50 °C Ambient operating temperature at 150% overl...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / SPX005A1-4A1B1 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.