

INDUSTRIAL COMPONENT DATA

SPX125A1-4A1N1 125669 Y7-125669 EATON ELECTRIC

Variable frequency drive, 400 V AC, 3-phase, 90 kW, IP21, Rad..

Brand: EATON - MOELLER | Manufacturer Part Number: SPX125A1-4A1N1



Manufacturer	EATON - MOELLER
MPN / Reference	SPX125A1-4A1N1
Catalog number	Y7-125669
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-8301C54680
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Product Overview

Variable frequency drive, 400 V AC, 3-phase, 90 kW, IP21, Radio interference suppression filter, OLED display, DC link choke, FR8

SPX125A1-4A1N1

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: $I_e = 170 \text{ A}$, Rated operational current At 110% overload: $I_e = 205 \text{ A}$, 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: $P = 90 \text{ kW}$, 110 % Overload: $P = 110 \text{ kW}$, 150 % Overload: $I_M = 161 \text{ A}$, 110 % Overload: $I_M = 196 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 125 \text{ HP}$, 110 % Overload: $P = 150 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 156 \text{ A}$, 110 % Overload: $I_M = 180 \text{ A}$, 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: FR8, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requireme...

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 125669 Model Code SPX125A1-4A1N1 EAN

4015081232796 Product Length/Depth 758 mm Product Height 344 mm Product Width 291 mm Product Weight 58 kg

Certifications IEC/EN61800-3

CSA Class No.: 3211-06

CUL

UL File No.: E134360

UL 508C

RCM

UL report applies to both US and Canada

IEC/EN61800-5

DNV

IEC/EN 61800-3

Specification for general requirements: IEC/EN 61800-2

RoHS, ISO 9001

Safety: EN 61800-5-1: 2003

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

UL

CE

Certified by UL for use in Canada

CSA-C22.2 No. 14 General

Degree of protection IP21

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

Radio interference suppression filter

IGBT inverter

DC link choke

Internal DC link 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 Max. 1000 m

Above 1000 m with 1 % performance reduction per 100 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 / SPX125A1-4A1N1 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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