

INDUSTRIAL COMPONENT DATA

SPX007A1-5A4B1 138642 Y7-138642 EATON ELECTRIC

Variable frequency drive SPX 3-/3-phase 690 V 7.5 kW dynamic ..

Brand: EATON - MOELLER | Manufacturer Part Number: SPX007A1-5A4B1



Manufacturer	EATON - MOELLER
MPN / Reference	SPX007A1-5A4B1
Catalog number	Y7-138642
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-B7ABBC172A
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Product Overview

Variable frequency drive SPX 3-/3-phase 690 V 7.5 kW; dynamic vector control; degree of protection IP21; integrated EMC filter and braking transistor

SPX007A1-5A4B1

Eaton SPX Variable frequency drive, 600 V AC, 3-phase, 7.5 kW, IP21, Radio interference suppression filter, Brake chopper, OLED display, FR6

Variable frequency drive, Part group reference (e.g. DIL): SPX, Rated operational voltage: $U_e = 600 \text{ V AC}$, 3-phase, 690 V AC, 3-phase, Output voltage with V_e : $U_2 = 600 \text{ V AC}$, 3-phase, 690 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 525 (-15\%) - 690 (\pm 10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 10 \text{ A}$, Rated operational current At 110% overload: $I_e = 13.5 \text{ A}$, 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 690 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 7.5 \text{ kW}$, 110 % Overload: $P = 11 \text{ kW}$, 150 % Overload: $I_M = 8.8 \text{ A}$, 110 % Overload: $I_M = 12.6 \text{ A}$, Assigned motor rating Note: at 690 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 7.5 \text{ HP}$, 110 % Overload: $P = 10 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 8 \text{ A}$, 110 % Overload: $I_M = 10 \text{ A}$, Degree of Protection: IP21, Fieldbus connection (optional): PROFIBUS-DP, LonWorks, CANopen®, DeviceNet, Modbus-TCP, BACnet/IP, Fitted with: Radio interference suppression filter, Brake chopper...

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 138642 Model Code SPX007A1-5A4B1 EAN

4015081354221 Product Length/Depth 558 mm Product Height 237 mm Product Width 195 mm Product Weight 18.5 kg

Certifications DNV

RCM

Certified by UL for use in Canada

UL report applies to both US and Canada

Safety: EN 61800-5-1: 2003

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

IEC/EN61800-3

IEC/EN61800-5

CSA Class No.: 3211-06

CE

Specification for general requirements: IEC/EN 61800-2

UL

CSA-C22.2 No. 14

CUL

UL 508C

RoHS, ISO 9001

UL File No.: E134360

IEC/EN 61800-3 General

Degree of protection IP21

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

OLED display

Brake chopper

DC link choke

IGBT inverter

Radio interference suppression filter Frame size FR6 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

Max. 1000 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% ov...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / SPX007A1-5A4B1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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