

INDUSTRIAL COMPONENT DATA

SPX020A1-5A4B1 138645 Y7-138645 EATON ELECTRIC

Variable frequency drive SPX 3-/3-phase 690 V 18.5 kW dynamic..

Brand: EATON - MOELLER | Manufacturer Part Number: SPX020A1-5A4B1



Manufacturer	EATON - MOELLER
MPN / Reference	SPX020A1-5A4B1
Catalog number	Y7-138645
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-1F7AF870C8
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Product Overview

Variable frequency drive SPX 3-/3-phase 690 V 18.5 kW; dynamic vector control; degree of protection IP21; integrated EMC filter and braking transistor

SPX020A1-5A4B1

Eaton SPX Variable frequency drive, 600 V AC, 3-phase, 18.5 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: $I_e = 22 \text{ A}$, Rated operational current At 110% overload: $I_e = 27 \text{ A}$, 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: $P = 18.5 \text{ kW}$, 110 % Overload: $P = 22 \text{ kW}$, 150 % Overload: $I_M = 20.9 \text{ A}$, 110 % Overload: $I_M = 23.8 \text{ A}$, Assigned motor rating Note: at 690 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 20 \text{ HP}$, 110 % Overload: $P = 25 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 19 \text{ A}$, 110 % Overload: $I_M = 23 \text{ A}$, Degree of Protection: IP21, Fieldbus connection (optional): PROFIBUS-DP, LonWorks, CANopen®, DeviceNet, Modbus-TCP, BACnet/IP, Fitted with: Radio interference suppression filter, Brake chopp...

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 138645 Model Code SPX020A1-5A4B1 EAN

4015081354252 Product Length/Depth 558 mm Product Height 237 mm Product Width 195 mm Product Weight 18.5 kg

Certifications RoHS, ISO 9001

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

CSA-C22.2 No. 14

RCM

UL File No.: E134360

CE

CUL

UL 508C

Certified by UL for use in Canada

DNV

IEC/EN61800-5

UL

UL report applies to both US and Canada

IEC/EN 61800-3

CSA Class No.: 3211-06

IEC/EN61800-3

Specification for general requirements: IEC/EN 61800-2

Safety: EN 61800-5-1: 2003 General

Degree of protection IP21

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

OLED display

Brake chopper

Radio interference suppression filter

DC link choke

Internal DC link 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

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% ov...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / SPX020A1-5A4B1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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