

INDUSTRIAL COMPONENT DATA

DE1-121D4NN-N20N 177359 Y7-177359 EATON ELECTRIC Variable speed starter, Rated operational voltage 230 V AC,...

Brand: EATON - MOELLER | Manufacturer Part Number: DE1-121D4NN-N20N



Manufacturer	EATON - MOELLER
MPN / Reference	DE1-121D4NN-N20N
Catalog number	Y7-177359
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-190E0B14B7
Generated	2026-08-02

Product Overview

Variable speed starter, Rated operational voltage 230 V AC, 1-phase, Ie 1.4 A, 0.25 kW, 0.33 HP

DE1-121D4NN-N20N

Variable speed starters, Part group reference (e.g. DIL): DE1, Rated operational voltage: $U_e = 230 \text{ V AC}$, 1-phase, 240 V AC, single-phase, Output voltage with V_e : $U_2 = 230 \text{ V AC}$, 3-phase, 240 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 200 (-10\%) - 240 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 1.4 \text{ A}$, Note: Rated operational current at an operating frequency of 16 kHz and an ambient air temperature of $+50^\circ\text{C}$, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: for normal internally and externally ventilated 4 pole, three-phase asynchronous motors with 1500 rpm-1 at 50 Hz or 1800 min-1 at 60 Hz, Overload cycle for 60 s every 600 s, at 230 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 0.25 \text{ kW}$, 150 % Overload: $I_M = 1.4 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 0.33 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 1.4 \text{ A}$, Degree of Protection: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, Frame size: FS1, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/EN 61800-3, Safety requirements: IEC/EN 61800-5-1

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 > Power XL Frequency Converters
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Additional Product Information

General specifications

Product Name Eaton DE1 Variable speed starter Catalog Number 177359 Model Code DE1-121D4NN-N20N EAN

4015081718191 Product Length/Depth 169 mm Product Height 230 mm Product Width 45 mm Product Weight 1.04 kg

Certifications RCM

IEC/EN61800-3

RoHS, ISO 9001

UL report applies to both US and Canada

UL File No.: E172143

CSA-C22.2 No. 14

Specification for general requirements: IEC/EN 61800-2

CUL

UL Category Control No.: NMMS, NMMS7

CE

UL 508C

Certified by UL for use in Canada

IEC/EN61800-5

Safety requirements: IEC/EN 61800-5-1

IEC/EN 61800-3

UL Catalog Notes Overload cycle for 60 s every 600 s Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: PC connection Fitted with: PC connection General

Cable length C1 ≤ 5 m, Radio interference level, maximum motor cable length

C2 ≤ 10 m, Radio interference level, maximum motor cable length

C3 ≤ 25 m, Radio interference level, maximum motor cable length Communication interface Modbus RTU, built in

OP-Bus (RS485), built in Connection to SmartWire-DT In conjunction with DX-NET-SWD3 SmartWire DT module

Yes Degree of protection IP20

NEMA Other Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Frame size FS1 Product

category Variable speed starter Protection Finger and back-of-hand proof, Protection against direct contact (BGV A3,

VBG4) Protocol EtherNet/IP

MODBUS

Other bus sy...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DE1-121D4NN-N20N 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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