

INDUSTRIAL COMPONENT DATA

DE1-34016NN-N20N 177372 Y7-177372 EATON ELECTRIC

Variable speed starter, Rated operational voltage 400 V AC,..

Brand: EATON - MOELLER | Manufacturer Part Number: DE1-34016NN-N20N



Manufacturer	EATON - MOELLER
MPN / Reference	DE1-34016NN-N20N
Catalog number	Y7-177372
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-29BFCC6F7A
Generated	2026-08-04

Product Overview

Variable speed starter, Rated operational voltage 400 V AC, 3-phase, Ie 16 A, 7.5 kW, 10 HP

DE1-34016NN-N20N

Variable speed starters, Part group reference (e.g. DIL): DE1, Rated operational voltage: $U_e = 400$ V AC, 3-phase, 480 V AC, 3-phase, Output voltage with V_e : $U_2 = 400$ V AC, 3-phase, 480 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 380$ (-10%) - 480 (+10%) V, Rated operational current At 150% overload: $I_e = 16$ A, Note: Rated operational current at an operating frequency of 16 kHz and an ambient air temperature of +50 °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 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 7.5$ kW, 150 % Overload: $I_M = 15.2$ A, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 10$ HP, Assigned motor rating 150 % Overload: $I_M = 14$ A, Degree of Protection: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, Frame size: FS2, 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 177372 Model Code DE1-34016NN-N20N EAN 4015081718320 Product Length/Depth 169 mm Product Height 230 mm Product Width 90 mm Product Weight 1.6 kg
Certifications Certified by UL for use in Canada

IEC/EN61800-5

CUL

UL

Specification for general requirements: IEC/EN 61800-2

Safety requirements: IEC/EN 61800-5-1

UL report applies to both US and Canada

IEC/EN61800-3

RoHS, ISO 9001

CE

UL File No.: E172143

UL Category Control No.: NMMS, NMMS7

IEC/EN 61800-3

UL 508C

RCM

CSA-C22.2 No. 14 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 General

Cable length C3 ≤ 25 m, Radio interference level, maximum motor cable length

C2 ≤ 10 m, Radio interference level, maximum motor cable length Communication interface Modbus RTU, built in

OP-Bus (RS485), built in Connection to SmartWire-DT Yes

In conjunction with DX-NET-SWD3 SmartWire DT module Degree of protection IP20

NEMA Other Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Frame size FS2 Product category Variable speed starter Protection Finger and back-of-hand proof, Protection against direct contact (BGV A3, VBG4) Protocol Other bus systems

EtherNet/IP

MODBUS Radio interference class C2, C3: depending on the motor cable length, the connected I...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DE1-34016NN-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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