

INDUSTRIAL COMPONENT DATA

DC1-342D2NN-A20CE1 185721 Y7-185721 EATON ELECTRIC

Variable frequency drive, 400 V AC, 3-phase, 2.2 A, 0.75 ..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-342D2NN-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-342D2NN-A20CE1
Catalog number	Y7-185721
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-E0A86A5BA6
Generated	2026-08-04

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 2.2 A, 0.75 kW, IP20/NEMA 0, FS1

DC1-342D2NN-A20CE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 2.2 A, 0.75 kW, IP20/NEMA 0, FS1 DC1-342D2NN-A20CE1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, Output voltage with V_e : $U_2 = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 380 (-10\%) - 480 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 2.2 \text{ A}$, 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 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 0.75 \text{ kW}$, 150 % Overload: $I_M = 1.9 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 1 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 2.1 \text{ A}$, Degree of Protection: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: 7-digital display assembly, Frame size: FS1, Standards: Specification for general requirements: IEC/EN 61800-2, EMC....

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

Additional Product Information

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 185721 Model Code DC1-342D2NN-A20CE1 EAN

4015081812202 Product Length/Depth 124 mm Product Height 184 mm Product Width 81 mm Product Weight 1.2 kg

Certifications CE

IEC/EN61800-3

IEC/EN61800-5

IEC/EN 61800-3

CUL

EAC

RCM

RoHS, ISO 9001

Safety requirements: IEC/EN 61800-5-1

CSA-C22.2 No. 14

UL report applies to both US and Canada

Specification for general requirements: IEC/EN 61800-2

UkrSEPRO

UL

UL 508C

UL Category Control No.: NMMS, NMMS7

Certified by UL for use in Canada

UL File No.: E172143 Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: Control unit

PC connection

IGBT inverter

7-digital display assembly

Internal DC link

Additional PCB protection General

Cable length 75 m, unscreened, maximum permissible, Motor feeder

50 m, screened, maximum permissible, Motor feeder

100 m, screened, with motor choke, maximum permissible, Motor feeder

150 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface Modbus RTU, built in

SmartWire-DT, optional

OP-Bus (RS485), built in

CANopen®, built in Connection to SmartWire-DT Yes

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

NEMA Other Frame size FS1 Mounting position Vertical Product category Variable frequency drives Protection Finger and back-of-hand proo...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-342D2NN-A20CE1 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.