

INDUSTRIAL COMPONENT DATA

DC1-342D2FN-A20CE1 185743 Y7-185743 EATON ELECTRIC
Variable frequency drive, 400 V AC, 3-phase, 2.2 A, 0.75 ..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-342D2FN-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-342D2FN-A20CE1
Catalog number	Y7-185743
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-584C6570F2
Generated	2026-08-06

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 2.2 A, 0.75 kW, IP20/NEMA 0, Radio interference suppression filter, FS1 DC1-342D2FN-A20CE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 2.2 A, 0.75 kW, IP20/NEMA 0, Radio interference suppression filter, FS1 DC1-342D2FN-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: Radio interference suppression filter,...

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 185743 Model Code DC1-342D2FN-A20CE1 EAN

4015081812424 Product Length/Depth 124 mm Product Height 184 mm Product Width 81 mm Product Weight 1.2 kg

Certifications IEC/EN61800-3

Safety requirements: IEC/EN 61800-5-1

CUL

UkrSEPRO

UL 508C

Certified by UL for use in Canada

IEC/EN61800-5

UL File No.: E172143

UL Category Control No.: NMMS, NMMS7

EAC

UL report applies to both US and Canada

RoHS, ISO 9001

IEC/EN 61800-3

RCM

UL

CE

CSA-C22.2 No. 14

Specification for general requirements: IEC/EN 61800-2 Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: PC connection

7-digital display assembly

Internal DC link

Control unit

Radio interference suppression filter

IGBT inverter

Additional PCB protection General

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

C3 <= 25 m, Radio interference level, maximum motor cable length

75 m, unscreened, maximum permissible, Motor feeder

150 m, unscreened, with motor choke, maximum permissible, Motor feeder

50 m, screened, maximum permissible, Motor feeder

C2 <= 5 m, Radio interference level, maximum motor cable length Communication interface OP-Bus (RS485), built in

Modbus RTU, built in

CANopen®, built in

SmartWire-DT, optional Connection to SmartWire-DT In conjunction with DX-NET-SWD3 SmartWire DT module....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-342D2FN-A20CE1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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