

INDUSTRIAL COMPONENT DATA

DC1-342D2FN-A66CE1 185744 EATON ELECTRIC Variable frequency drive, 400 V AC, 3-phase, 2.2 A, 0.75 kW, IP66/N..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-342D2FN-A66CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-342D2FN-A66CE1
Catalog number	185744
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-DDDBEF8CB6
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Product Overview

Variable frequency drive, 400 V AC, 3-phase, 2.2 A, 0.75 kW, IP66/NEMA 4X, Radio interference suppression filter, FS1
Ent Frequency Converter: 3 x 400 V Salt: 3 x 400 V 2.2 A 0.75 kW V/f, SLV EMC IP66 Filter

Variable frequency drive, Part group reference (e.g. DIL): DC1, 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: $I_e = 2.2$ A, Note: Rated operational current at a switching frequency of 16 kHz and an ambient air temperature of +40 °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: $P = 0.75$ kW, 150 % Overload: $I_M = 1.9$ A, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 1$ HP, Assigned motor rating 150 % Overload: $I_M = 2.1$ A, Degree of Protection: IP66/NEMA 4X, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Radio interference suppression filter, 7-digital display assembly, Frame size: FS1, Standards: Specification for...

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 DC1 Variable frequency drive Catalog Number 185744 Model Code DC1-342D2FN-A66CE1 EAN 4015081812431 Product Length/Depth 184 mm Product Height 232 mm Product Width 161 mm Product Weight 2.8 kg

Certifications IEC/EN61800-3

Certified by UL for use in Canada

CSA-C22.2 No. 14

Safety requirements: IEC/EN 61800-5-1

Specification for general requirements: IEC/EN 61800-2

UkrSEPRO

IEC/EN 61800-3

RCM

UL 508C

UL File No.: E172143

CE

CUL

EAC

UL report applies to both US and Canada

IEC/EN61800-5

UL Category Control No.: NMMS, NMMS7

RoHS, ISO 9001

UL Catalog Notes Environmental class: 3C3, 3S3 Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: 7-digital display assembly

Control unit

IGBT inverter

Internal DC link

Radio interference suppression filter

PC connection

Additional PCB protection General

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

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

C2 <= 5 m, Radio interference level, maximum motor cable length

50 m, screened, maximum permissible, Motor feeder

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

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

OP-Bus (RS485), built in

CANopen®, built in

SmartWire-DT, optional Connection to SmartWire-DT No Degree of protecti...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-342D2FN-A66CE1 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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