

INDUSTRIAL COMPONENT DATA

DC1-342D2FN-A6SOE1 199430 Y7-199430 EATON ELECTRIC DC1-342D2FN-A6SOE1

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-342D2FN-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-342D2FN-A6SOE1
Catalog number	Y7-199430
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-7B09F322AA
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Product Overview

DC1-342D2FN-A6SOE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 2.2 A, 0.75 kW, IP66/NEMA 4X, Radio interference suppression filter, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, FS1

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 6 kHz and an ambient air temperature of $+40^\circ \text{C}$, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: For normal internally and externally ventilated four-pole three-phase asynchronous motors with 1500 rpm at 50 Hz and 1800 rpm 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: 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, Local controls, Additi...

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 199430 Model Code DC1-342D2FN-A6SOE1 EAN 4015081978199 Product Length/Depth 162 mm Product Height 232 mm Product Width 161 mm Product Weight 2.5 kg

Certifications UL report applies to both US and Canada

UkrSEPRO

UL

CE

RCM

IEC/EN61800-5

UL Category Control No.: NMMS, NMMS7

EAC

Certified by UL for use in Canada

CSA-C22.2 No. 14

CE marking

RoHS, ISO 9001

IEC/EN 61800-2

UL File No.: E172143

IEC/EN 61800-3

IEC/EN 61800-5-1

CUL

UL 508C

UL Listed Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Keypad

Parameterization: Fieldbus Fitted with: PC connection

UV resistance

Internal DC link

Local controls

7-digital display assembly

Radio interference suppression filter

Control unit

Additional PCB protection

IGBT inverter General

Cable length 50 m, screened, maximum permissible, Motor feeder

C2 <= 5 m, maximum motor cable length

75 m, unscreened, maximum permissible, Motor feeder

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

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

C3 <= 25 m, maximum motor cable length Communication interface CANopen®, built in

OP-Bus (RS485), built in

SmartWire-DT, optional

Modbus RTU, built in Connection to SmartWire-DT No Degree of protection NEMA 4X

IP66 Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Frame size...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-342D2FN-A6SOE1 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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