

## INDUSTRIAL COMPONENT DATA

**DC1-327D0FN-A6SOE1 199416 Y7-199416 EATON ELECTRIC  
DC1-327D0FN-A6SOE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-327D0FN-A6SOE1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-327D0FN-A6SOE1                 |
| Catalog number  | Y7-199416                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-AA740EFFB4                      |
| Generated       | 2026-08-05                         |

**Product Overview**

DC1-327D0FN-A6SOE1

Eaton DC1 Variable frequency drive, 230 V AC, 3-phase, 7 A, 1.5 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:  $U_e = 230 \text{ V AC}$ , 3-phase, 240 V AC, 3-phase, Output voltage with  $V_e$ :  $U_2 = 230 \text{ V AC}$ , 3-phase, 240 V AC, 3-phase, Mains voltage (50/60Hz):  $U_{LN} = 200 (-10\%) - 240 (+10\%) \text{ V}$ , Rated operational current At 150% overload:  $I_e = 7 \text{ A}$ , 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 230 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 1.5 \text{ kW}$ , 150 % Overload:  $I_M = 6.3 \text{ A}$ , Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 2 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 6.8 \text{ A}$ , 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, Additional P...

## 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 &gt; Power XL Frequency Converters

**Additional Product Information**

## General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 199416 Model Code DC1-327D0FN-A6SOE1 EAN 4015081978052 Product Length/Depth 162 mm Product Height 232 mm Product Width 161 mm Product Weight 2.5 kg

Certifications CUL

RCM

UL

EAC

UL File No.: E172143

Certified by UL for use in Canada

CE

UkrSEPRO

IEC/EN61800-5

UL 508C

CE marking

IEC/EN 61800-3

UL report applies to both US and Canada

IEC/EN 61800-2

CSA-C22.2 No. 14

UL Listed

IEC/EN 61800-5-1

RoHS, ISO 9001

UL Category Control No.: NMMS, NMMS7 Catalog Notes Features & Functions

Features Parameterization: drivesConnect mobile (App)

Parameterization: Keypad

Parameterization: Fieldbus

Parameterization: drivesConnect Fitted with: Local controls

Internal DC link

PC connection

Radio interference suppression filter

Control unit

7-digital display assembly

IGBT inverter

UV resistance

Additional PCB protection General

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

100 m, screened, with motor choke, maximum permissible, Motor feeder 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 IP66

NEMA 4X Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Frame size FS1 Mounting

position Vertical Product category Variable frequency drives....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-327D0FN-A6SOE1 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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