

## INDUSTRIAL COMPONENT DATA

**DC1-1D4D3NN-A6SOE1 199396 Y7-199396 EATON ELECTRIC  
DC1-1D4D3NN-A6SOE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-1D4D3NN-A6SOE1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-1D4D3NN-A6SOE1                 |
| Catalog number  | Y7-199396                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-88B5A0B67F                      |
| Generated       | 2026-08-05                         |

**Product Overview**

DC1-1D4D3NN-A6SOE1

Eaton DC1 Variable frequency drive, 115 V AC, single-phase, 4.3 A, 0.75 kW, IP66/NEMA 4X, 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:  $U_e = 115 \text{ V AC}$ , single-phase, Output voltage with  $V_e$ :  $U_2 = 230 \text{ V AC}$ , 3-phase, Mains voltage (50/60Hz):  $U_{LN} = 110 (-10\%) - 115 (+10\%) \text{ V}$ , Rated operational current At 150% overload:  $I_e = 4.3 \text{ A}$ , 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:  $P = 0.75 \text{ kW}$ , 150 % Overload:  $I_M = 3.2 \text{ A}$ , Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 1 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 4.2 \text{ A}$ , Degree of Protection: IP66/NEMA 4X, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, Frame size: FS1, Standards: General requirements: IEC/EN 61800-2, EMV r...

## 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 199396 Model Code DC1-1D4D3NN-A6SOE1 EAN

4015081977857 Product Length/Depth 162 mm Product Height 232 mm Product Width 161 mm Product Weight 2.5 kg

Certifications RoHS, ISO 9001

CE

IEC/EN 61800-5-1

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

UL Listed

CSA-C22.2 No. 14

CUL

RCM

EAC

UL 508C

Certified by UL for use in Canada

UL

UkrSEPRO

IEC/EN61800-5

UL report applies to both US and Canada

CE marking

IEC/EN 61800-2

IEC/EN 61800-3 Features & Functions

Features Parameterization: drivesConnect mobile (App)

Parameterization: drivesConnect

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: Additional PCB protection

UV resistance

PC connection

7-digital display assembly

IGBT inverter

Control unit

Local controls

Internal DC link General

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

50 m, screened, maximum permissible, Motor feeder

75 m, unscreened, maximum permissible, Motor feeder

100 m, screened, 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 protection IP66

NEMA 4X Frame size FS1 Mounting position Vertical Product category Variable frequency drives Protection Finger and back-of-hand proof, Protection against direct contact (BGV A3, VBG4) Protocol MODBUS

EtherNet/IP

CAN

Other bus....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-1D4D3NN-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

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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