

INDUSTRIAL COMPONENT DATA

**DC1-1D5D8NB-A6SOE1 199398 Y7-199398 EATON ELECTRIC
DC1-1D5D8NB-A6SOE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-1D5D8NB-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-1D5D8NB-A6SOE1
Catalog number	Y7-199398
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-2F0BDD9012
Generated	2026-08-03

Product Overview

DC1-1D5D8NB-A6SOE1

Eaton DC1 Variable frequency drive, 115 V AC, single-phase, 5.8 A, 1.1 kW, IP66/NEMA 4X, Brake chopper, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, FS2

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: $I_e = 5.8 \text{ A}$, 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: $P = 1.1 \text{ kW}$, 150 % Overload: $I_M = 4.6 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 1.5 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 5.8 \text{ A}$, Degree of Protection: IP66/NEMA 4X, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Brake chopper, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, Frame size: FS2, Standards: General requi...

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 199398 Model Code DC1-1D5D8NB-A6SOE1 EAN

4015081977871 Product Length/Depth 182 mm Product Height 257 mm Product Width 188 mm Product Weight 3.5 kg

Certifications UL Listed

UL File No.: E172143

Certified by UL for use in Canada

UL report applies to both US and Canada

UkrSEPRO

CSA-C22.2 No. 14

IEC/EN61800-5

UL

UL 508C

EAC

RoHS, ISO 9001

CUL

IEC/EN 61800-2

IEC/EN 61800-3

RCM

CE

CE marking

UL Category Control No.: NMMS, NMMS7

IEC/EN 61800-5-1 Features & Functions

Features Parameterization: drivesConnect

Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: drivesConnect mobile (App) Fitted with: Brake chopper

Local controls

Internal DC link

PC connection

Additional PCB protection

IGBT inverter

7-digital display assembly

Breaking resistance

UV resistance

Control unit Functions 4-quadrant operation possible General

Cable length 150 m, unscreened, maximum permissible cable length

100 m, screened, maximum permissible cable length

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

200 m, screened, with motor choke, maximum permissible cable length Communication interface SmartWire-DT, optional

Modbus RTU, built in

OP-Bus (RS485), built in

CANopen®, built in Connection to SmartWire-DT No Degree of protection NEMA 4X

IP66 Frame size FS2 Mounting position Vertical Product category Variable frequency drives Protection Finger and back-of-hand proof, Protection against...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-1D5D8NB-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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.