

INDUSTRIAL COMPONENT DATA

DC1-1D5D8NB-A66OE1 199397 Y7-199397 EATON ELECTRIC DC1-1D5D8NB-A66OE1

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-1D5D8NB-A66OE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-1D5D8NB-A66OE1
Catalog number	Y7-199397
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-8170C43774
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Product Overview

DC1-1D5D8NB-A66OE1

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, 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, Additional PCB protection, UV resistant, Frame size: FS2, Standards: General requirements: IEC/EN 61800-2, EMV req...

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 199397 Model Code DC1-1D5D8NB-A66OE1 EAN

4015081977864 Product Length/Depth 182 mm Product Height 257 mm Product Width 188 mm Product Weight 3.5 kg

Certifications IEC/EN 61800-5-1

RCM

UL 508C

UL Category Control No.: NMMS, NMMS7

EAC

UkrSEPRO

UL

UL Listed

CE marking

IEC/EN 61800-3

IEC/EN 61800-2

RoHS, ISO 9001

CSA-C22.2 No. 14

UL File No.: E172143

UL report applies to both US and Canada

IEC/EN61800-5

CE

CUL

Certified by UL for use in Canada Features & Functions

Features Parameterization: drivesConnect

Parameterization: Fieldbus

Parameterization: Keypad

Parameterization: drivesConnect mobile (App) Fitted with: Breaking resistance

Internal DC link

UV resistance

Control unit

IGBT inverter

7-digital display assembly

Brake chopper

Additional PCB protection

PC connection Functions 4-quadrant operation possible General

Cable length 150 m, unscreened, maximum permissible cable length

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

200 m, screened, with motor choke, maximum permissible cable length

100 m, screened, maximum permissible cable length Communication interface OP-Bus (RS485), built in

SmartWire-DT, optional

Modbus RTU, built in

CANopen®, built in Connection to SmartWire-DT No Degree of protection IP66

NEMA 4X Frame size FS2 Mounting position Vertical Product category Variable frequency drives Protection Finger and back-of-hand proof, Protection against direct contact...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-1D5D8NB-A66OE1 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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