

INDUSTRIAL COMPONENT DATA

DA1-35012NB-B66C 176989 Y7-176989 EATON ELECTRIC
Variable frequency drive, 500 V AC, 3-phase, 12 A, 7.5 kW, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-35012NB-B66C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-35012NB-B66C
Catalog number	Y7-176989
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-DD841DF92C
Generated	2026-08-04

Product Overview

Variable frequency drive, 500 V AC, 3-phase, 12 A, 7.5 kW, IP66/NEMA 4X, OLED display

DA1-35012NB-B66C

Variable frequency drive, Part group reference (e.g. DIL): DA1, Rated operational voltage: $U_e = 500$ V AC, 3-phase, 600 V AC, 3-phase, Output voltage with V_e : $U_2 = 500$ V AC, 3-phase, 600 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 500$ (-10%) - 600 (+10%) V, Rated operational current At 150% overload: $I_e = 12$ A, Note: Rated operational current at a switching frequency of 8 kHz and an ambient air temperature of +40 °C, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: for normal internally and externally ventilated 4 pole, three-phase asynchronous motors with 1500 rpm-1 at 50 Hz or 1800 min-1 at 60 Hz , Overload cycle for 60 s every 600 s, at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 7.5$ kW, 150 % Overload: $I_M = 12$ A, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 7.5$ kW, 150 % Overload: $I_M = 11.6$ A, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 10$ HP, Assigned motor rating 150 % Overload: $I_M = 11$ A, Degree of Protection: IP66/NEMA 4X, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): Ethernet IP, DeviceNet, PROFIBUS, PROFINET, Modbus-TCP, EtherCAT, Fitted with: Brake chopper, OLED display , Additional PCB....

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 DA1 Variable frequency drive Catalog Number 176989 Model Code DA1-35012NB-B66C EAN

4015081714322 Product Length/Depth 266.3 mm Product Height 310 mm Product Width 211 mm Product Weight 3.5 kg

Certifications CE

RoHS, ISO 9001

UkrSEPRO

IEC/EN 61800-3

UL report applies to both US and Canada

IEC/EN61800-5

EAC

UL 508C

RCM

Certified by UL for use in Canada

CSA-C22.2 No. 14

CUL

UL File No.: E172143

UL

Safety: EN 61800-5-1: 2003

Specification for general requirements: IEC/EN 61800-2

UL Category Control No.: NMMS, NMMS7

IEC/EN61800-3 Catalog Notes The brake resistors are assigned based on the maximum rated power of the variable frequency drive. Additional brake resistors and designs (e.g. different duty cycles) are available upon request. General

Cable length 100 m, screened, maximum permissible, Motor feeder

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

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

150 m, unscreened, maximum permissible, Motor feeder Communication interface OP-Bus (RS485), built in

Ethernet IP, optional

PROFIBUS, optional

PROFINET, optional

EtherCAT, optional

DeviceNet, optional

CANopen®, built in

Modbus RTU, built in

Modbus-TCP, optional Connection to SmartWire-DT No Degree of protection IP66

NEMA 4X Fitted with: Breaking resistance

IGBT inverter

Brake chopper

Control unit

OLED display

PC connection

Additional PCB protection

Internal DC link Frame size FS3 Functions 4-quadrant...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-35012NB-B66C 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.