

INDUSTRIAL COMPONENT DATA

**DA1-35012NB-B6SC 177017 Y7-177017 EATON ELECTRIC
Variable frequency drive, 500 V AC, 3-phase, 12 A, 7.5 kW, ..**

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-35012NB-B6SC



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-35012NB-B6SC
Catalog number	Y7-177017
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-CF2822A613
Generated	2026-08-03

Product Overview

Variable frequency drive, 500 V AC, 3-phase, 12 A, 7.5 kW, IP66/NEMA 4X, OLED display, Local controls
DA1-35012NB-B6SC

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 ,...

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
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Additional Product Information

General specifications

Product Name Eaton DA1 Variable frequency drive Catalog Number 177017 Model Code DA1-35012NB-B6SC EAN

4015081714605 Product Length/Depth 266.3 mm Product Height 310 mm Product Width 211 mm Product Weight 3.5 kg

Certifications UkrSEPRO

Certified by UL for use in Canada

UL

UL Category Control No.: NMMS, NMMS7

CE

CSA-C22.2 No. 14

IEC/EN 61800-3

UL File No.: E172143

CUL

EAC

RoHS, ISO 9001

RCM

UL 508C

IEC/EN61800-3

IEC/EN61800-5

Safety: EN 61800-5-1: 2003

UL report applies to both US and Canada

Specification for general requirements: IEC/EN 61800-2 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

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

150 m, unscreened, maximum permissible, Motor feeder

200 m, screened, with motor choke, maximum permissible, Motor feeder Communication interface Modbus RTU, built in PROFIBUS, optional

PROFINET, optional

DeviceNet, optional

OP-Bus (RS485), built in

CANopen®, built in

Ethernet IP, optional

EtherCAT, optional

Modbus-TCP, optional Connection to SmartWire-DT No Degree of protection NEMA 4X

IP66 Fitted with: Internal DC link

Breaking resistance

Control unit

Brake chopper

PC connection

OLED display

IGBT inverter

Local controls

Additional PCB protection Frame size FS3 Funct...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-35012NB-B6SC 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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