

INDUSTRIAL COMPONENT DATA

DA1-35017NB-B66C 176990 Y7-176990 EATON ELECTRIC
Variable frequency drive, 500 V AC, 3-phase, 17 A, 11 kW, I..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-35017NB-B66C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-35017NB-B66C
Catalog number	Y7-176990
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-0123747959
Generated	2026-08-04

Product Overview

Variable frequency drive, 500 V AC, 3-phase, 17 A, 11 kW, IP66/NEMA 4X, OLED display

DA1-35017NB-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): ULN = 500 (-10%) - 600 (+10%) V, Rated operational current At 150% overload: $I_e = 17$ 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: $P = 11$ kW, 150 % Overload: $I_M = 17$ A, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 11$ kW, 150 % Overload: $I_M = 16.6$ A, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 15$ HP, Assigned motor rating 150 % Overload: $I_M = 17$ 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 pro...

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 176990 Model Code DA1-35017NB-B66C EAN

4015081714339 Product Length/Depth 266.3 mm Product Height 310 mm Product Width 211 mm Product Weight 3.5 kg

Certifications CSA-C22.2 No. 14

IEC/EN 61800-3

Specification for general requirements: IEC/EN 61800-2

Safety: EN 61800-5-1: 2003

UL 508C

RCM

UL report applies to both US and Canada

IEC/EN61800-3

UL File No.: E172143

UL

EAC

Certified by UL for use in Canada

CUL

UkrSEPRO

IEC/EN61800-5

RoHS, ISO 9001

CE

UL Category Control No.: NMMS, NMMS7 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 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

100 m, screened, maximum permissible, Motor feeder Communication interface EtherCAT, optional

Ethernet IP, optional

OP-Bus (RS485), built in

Modbus-TCP, optional

PROFINET, optional

CANopen®, built in

DeviceNet, optional

Modbus RTU, built in

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

IP66 Fitted with: PC connection

Breaking resistance

Control unit

IGBT inverter

Brake chopper

OLED display

Internal DC link

Additional PCB protection Frame size FS3 Functions 4-quadrant...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-35017NB-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.