

INDUSTRIAL COMPONENT DATA

DA1-356D5NB-B66C 176987 Y7-176987 EATON ELECTRIC
Variable frequency drive, 500 V AC, 3-phase, 6.5 A, 4 kW, I..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-356D5NB-B66C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-356D5NB-B66C
Catalog number	Y7-176987
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-654B21C61B
Generated	2026-08-03

Product Overview

Variable frequency drive, 500 V AC, 3-phase, 6.5 A, 4 kW, IP66/NEMA 4X, OLED display

DA1-356D5NB-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: $I_e = 6.5$ 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: $P = 4$ kW, 150 % Overload: $I_M = 6.5$ A, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 4$ kW, 150 % Overload: $I_M = 6.5$ A, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 5$ HP, Assigned motor rating 150 % Overload: $I_M = 6.1$ 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 prot...

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 176987 Model Code DA1-356D5NB-B66C EAN

4015081714308 Product Length/Depth 239.3 mm Product Height 257 mm Product Width 188 mm Product Weight 1.8 kg

Certifications UkrSEPRO

CUL

UL

EAC

UL File No.: E172143

IEC/EN 61800-3

Specification for general requirements: IEC/EN 61800-2

Certified by UL for use in Canada

RoHS, ISO 9001

CE

CSA-C22.2 No. 14

IEC/EN61800-3

UL 508C

UL report applies to both US and Canada

RCM

Safety: EN 61800-5-1: 2003

UL Category Control No.: NMMS, NMMS7

IEC/EN61800-5 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

150 m, unscreened, maximum permissible, Motor feeder

100 m, screened, maximum permissible, Motor feeder

300 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface DeviceNet, optional

OP-Bus (RS485), built in

Modbus-TCP, optional

Modbus RTU, built in

Ethernet IP, optional

CANopen®, built in

PROFIBUS, optional

EtherCAT, optional

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

NEMA 4X Fitted with: Internal DC link

Additional PCB protection

Brake chopper

PC connection

IGBT inverter

Control unit

OLED display

Breaking resistance Frame size FS2 Functions 4-quadrant...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-356D5NB-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

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