

INDUSTRIAL COMPONENT DATA

DA1-353D1NB-B66C 176985 Y7-176985 EATON ELECTRIC

Variable frequency drive, 500 V AC, 3-phase, 3.1 A, 1.5 kW,...

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-353D1NB-B66C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-353D1NB-B66C
Catalog number	Y7-176985
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-2BAB1D6DB4
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Product Overview

Variable frequency drive, 500 V AC, 3-phase, 3.1 A, 1.5 kW, IP66/NEMA 4X, OLED display

DA1-353D1NB-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: $I_e = 3.1$ 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: $P = 1.5$ kW, 150 % Overload: $I_M = 2.9$ A, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 1.5$ kW, 150 % Overload: $I_M = 2.8$ A, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 2$ HP, Assigned motor rating 150 % Overload: $I_M = 2.7$ 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 PC...

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 176985 Model Code DA1-353D1NB-B66C EAN

4015081714285 Product Length/Depth 239.3 mm Product Height 257 mm Product Width 188 mm Product Weight 1.8 kg

Certifications Safety: EN 61800-5-1: 2003

CE

CSA-C22.2 No. 14

IEC/EN61800-5

IEC/EN 61800-3

UL

RCM

Specification for general requirements: IEC/EN 61800-2

IEC/EN61800-3

CUL

UL Category Control No.: NMMS, NMMS7

UL 508C

Certified by UL for use in Canada

EAC

UL report applies to both US and Canada

RoHS, ISO 9001

UkrSEPRO

UL File No.: E172143 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

150 m, unscreened, maximum permissible, Motor feeder

300 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface Modbus-TCP, optional

Ethernet IP, optional

EtherCAT, optional

DeviceNet, optional

Modbus RTU, built in

CANopen®, built in

PROFINET, optional

OP-Bus (RS485), built in

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

NEMA 4X Fitted with: OLED display

Control unit

Brake chopper

Additional PCB protection

PC connection

Breaking resistance

Internal DC link

IGBT inverter Frame size FS2 Functions 4-quadrant...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-353D1NB-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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