

## INDUSTRIAL COMPONENT DATA

**DA1-353D1NB-B6SC 177013 Y7-177013 EATON ELECTRIC**  
**Variable frequency drive, 500 V AC, 3-phase, 3.1 A, 1.5 kW,..**

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-353D1NB-B6SC



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DA1-353D1NB-B6SC                   |
| Catalog number  | Y7-177013                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-7B75492A5A                      |
| Generated       | 2026-08-04                         |

**Product Overview**

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

DA1-353D1NB-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:  $I_e = 3.1$  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...

## 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 &gt; Power XL Frequency Converters

**Additional Product Information**

## General specifications

Product Name Eaton DA1 Variable frequency drive Catalog Number 177013 Model Code DA1-353D1NB-B6SC EAN 4015081714568 Product Length/Depth 239.3 mm Product Height 257 mm Product Width 188 mm Product Weight 1.8 kg

Certifications Certified by UL for use in Canada

CSA-C22.2 No. 14

Specification for general requirements: IEC/EN 61800-2

RCM

EAC

UL File No.: E172143

CE

IEC/EN61800-3

IEC/EN61800-5

RoHS, ISO 9001

IEC/EN 61800-3

UL report applies to both US and Canada

Safety: EN 61800-5-1: 2003

UL

UL 508C

CUL

UL Category Control No.: NMMS, NMMS7

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

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

150 m, unscreened, maximum permissible, Motor feeder

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

DeviceNet, optional

Ethernet IP, optional

CANopen®, built in

Modbus-TCP, optional

EtherCAT, optional

PROFINET, optional

Modbus RTU, built in

OP-Bus (RS485), built in Connection to SmartWire-DT No Degree of protection IP66

NEMA 4X Fitted with: OLED display

Additional PCB protection

Control unit

Local controls

PC connection

Internal DC link

Breaking resistance

Brake chopper

IGBT inverter Frame size FS2 Funct...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-353D1NB-B6SC with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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