

INDUSTRIAL COMPONENT DATA

DA1-353D1NB-A20C 177035 Y7-177035 EATON ELECTRIC

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

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-353D1NB-A20C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-353D1NB-A20C
Catalog number	Y7-177035
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-2C9A5E62A6
Generated	2026-08-04

Product Overview

Variable frequency drive, 500 V AC, 3-phase, 3.1 A, 1.5 kW, IP20/NEMA 0, 7-digital display assembly
DA1-353D1NB-A20C

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 +50 °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: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): Ethernet IP, DeviceNet, PROFIBUS, PROFINET, Modbus-TCP, EtherCAT, SmartWire-DT, Fitted with: Brake chopper , 7...

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 177035 Model Code DA1-353D1NB-A20C EAN 4015081714780 Product Length/Depth 186 mm Product Height 231 mm Product Width 107 mm Product Weight 1.8 kg

Certifications IEC/EN61800-3

UL report applies to both US and Canada

IEC/EN61800-5

RCM

UkrSEPRO

UL

UL 508C

IEC/EN 61800-3

RoHS, ISO 9001

Safety: EN 61800-5-1: 2003

UL File No.: E172143

Specification for general requirements: IEC/EN 61800-2

UL Category Control No.: NMMS, NMMS7

CUL

Certified by UL for use in Canada

CSA-C22.2 No. 14

EAC

CE 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

100 m, screened, maximum permissible, Motor feeder

150 m, unscreened, maximum permissible, Motor feeder

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

EtherCAT, optional

SmartWire-DT, optional

PROFIBUS, optional

Ethernet IP, optional

OP-Bus (RS485), built in

CANopen®, built in

Modbus-TCP, optional

Modbus RTU, built in

DeviceNet, optional Connection to SmartWire-DT In conjunction with DX-NET-SWD1 SmartWire DT module

Yes Degree of protection IP20

NEMA Other Fitted with: Additional PCB protection

Breaking resistance

IGBT inverter

Internal DC link

Control unit...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-353D1NB-A20C 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.