

INDUSTRIAL COMPONENT DATA

DA1-354D1NB-A20C 177036 Y7-177036 EATON ELECTRIC
Variable frequency drive, 500 V AC, 3-phase, 4.1 A, 2.2 kW,..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-354D1NB-A20C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-354D1NB-A20C
Catalog number	Y7-177036
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-BCC3E7B2BB
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Product Overview

Variable frequency drive, 500 V AC, 3-phase, 4.1 A, 2.2 kW, IP20/NEMA 0, 7-digital display assembly

DA1-354D1NB-A20C

Variable frequency drive, Part group reference (e.g. DIL): DA1, Rated operational voltage: $U_e = 500 \text{ V AC}$, 3-phase, 600 V AC, 3-phase, Output voltage with V_e : $U_2 = 500 \text{ V AC}$, 3-phase, 600 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 500 (-10\%) - 600 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 4.1 \text{ A}$, Note: Rated operational current at a switching frequency of 8 kHz and an ambient air temperature of $+50 \text{ }^\circ\text{C}$, 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: $P = 2.2 \text{ kW}$, 150 % Overload: $I_M = 4 \text{ A}$, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 2.2 \text{ kW}$, 150 % Overload: $I_M = 3.8 \text{ A}$, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 3 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 3.9 \text{ A}$, 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-d...

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 177036 Model Code DA1-354D1NB-A20C EAN

4015081714797 Product Length/Depth 186 mm Product Height 231 mm Product Width 107 mm Product Weight 1.8 kg

Certifications UL report applies to both US and Canada

RCM

RoHS, ISO 9001

Safety: EN 61800-5-1: 2003

Specification for general requirements: IEC/EN 61800-2

UL 508C

Certified by UL for use in Canada

CE

EAC

UL

CUL

UkrSEPRO

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

CSA-C22.2 No. 14

IEC/EN 61800-3

IEC/EN61800-3

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 150 m, unscreened, maximum permissible, Motor feeder

100 m, screened, maximum permissible, Motor feeder

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

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

EtherCAT, optional

CANopen®, built in

DeviceNet, optional

Ethernet IP, optional

SmartWire-DT, optional

Modbus RTU, built in

OP-Bus (RS485), built in

Modbus-TCP, optional

PROFIBUS, optional Connection to SmartWire-DT Yes

In conjunction with DX-NET-SWD1 SmartWire DT module Degree of protection IP20

NEMA Other Fitted with: Control unit

Brake chopper

Additional PCB protection

PC connection

Breaking resistance

7-...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-354D1NB-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

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