

INDUSTRIAL COMPONENT DATA

DA1-352D1NB-B6SC 177012 Y7-177012 EATON ELECTRIC
Variable frequency drive, 500 V AC, 3-phase, 2.1 A, 0.75 kW..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-352D1NB-B6SC



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-352D1NB-B6SC
Catalog number	Y7-177012
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-82C9A54AB2
Generated	2026-08-04

Product Overview

Variable frequency drive, 500 V AC, 3-phase, 2.1 A, 0.75 kW, IP66/NEMA 4X, OLED display, Local controls

DA1-352D1NB-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: $I_e = 2.1$ 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: $P = 0.75$ kW, 150 % Overload: $I_M = 1.5$ A, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 1.1$ kW, 150 % Overload: $I_M = 2$ A, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 1$ HP, Assigned motor rating 150 % Overload: $I_M = 1.7$ 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 > Power XL Frequency Converters

Additional Product Information

General specifications

Product Name Eaton DA1 Variable frequency drive Catalog Number 177012 Model Code DA1-352D1NB-B6SC EAN 4015081714551 Product Length/Depth 239.3 mm Product Height 257 mm Product Width 188 mm Product Weight 1.8 kg

Certifications CUL

IEC/EN61800-3

RCM

Safety: EN 61800-5-1: 2003

UL 508C

UL Category Control No.: NMMS, NMMS7

CE

UL report applies to both US and Canada

UkrSEPRO

Certified by UL for use in Canada

CSA-C22.2 No. 14

EAC

IEC/EN 61800-3

IEC/EN61800-5

RoHS, ISO 9001

Specification for general requirements: IEC/EN 61800-2

UL

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 150 m, unscreened, maximum permissible, Motor feeder

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

100 m, screened, maximum permissible, Motor feeder

200 m, screened, with motor choke, maximum permissible, Motor feeder Communication interface Ethernet IP, optional

DeviceNet, optional

CANopen®, built in

EtherCAT, optional

Modbus-TCP, optional

PROFINET, optional

PROFIBUS, optional

Modbus RTU, built in

OP-Bus (RS485), built in Connection to SmartWire-DT No Degree of protection NEMA 4X

IP66 Fitted with: OLED display

PC connection

Internal DC link

Breaking resistance

Brake chopper

Additional PCB protection

Control unit

Local controls

IGBT inverter Frame size FS2 Funct...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-352D1NB-B6SC 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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