

INDUSTRIAL COMPONENT DATA

DA1-344D1FB-B6SC 169381 Y7-169381 EATON ELECTRIC

Variable frequency drive, 400 V AC, 3-phase, 4.1 A, 1.5 kW,..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-344D1FB-B6SC



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-344D1FB-B6SC
Catalog number	Y7-169381
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-2E501B8952
Generated	2026-08-04

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 4.1 A, 1.5 kW, IP66/NEMA 4X, Radio interference suppression filter, OLED display, Local controls

DA1-344D1FB-B6SC

Variable frequency drive, Part group reference (e.g. DIL): DA1, Rated operational voltage: $U_e = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, Output voltage with V_e : $U_2 = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 380 (-10\%) - 480 (+10\%) \text{ V}$, 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 $+40 \text{ }^\circ\text{C}$, 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 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 1.5 \text{ kW}$, 150 % Overload: $I_M = 3.6 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 2 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 3.4 \text{ A}$, 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: Radio interference suppression filter, Brake chopper, Additional PCB protection, OLED display, Local controls,....

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 169381 Model Code DA1-344D1FB-B6SC EAN

4015081658251 Product Length/Depth 239.3 mm Product Height 257 mm Product Width 188 mm Product Weight 4.8 kg

Certifications UkrSEPRO

IEC/EN61800-3

UL Category Control No.: NMMS, NMMS7

CUL

Safety: EN 61800-5-1: 2003

IEC/EN61800-5

RCM

CE

UL

RoHS, ISO 9001

Specification for general requirements: IEC/EN 61800-2

Certified by UL for use in Canada

CSA-C22.2 No. 14

IEC/EN 61800-3

EAC

UL 508C

UL File No.: E172143

UL report applies to both US and Canada 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 C3 ≤ 25 m, Radio interference level, maximum motor cable length

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

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

100 m, screened, maximum permissible, Motor feeder

150 m, unscreened, maximum permissible, Motor feeder

C2 ≤ 5 m, Radio interference level, maximum motor cable length Communication interface OP-Bus (RS485), built in PROFIBUS, optional

DeviceNet, optional

Modbus-TCP, optional

Modbus RTU, built in

CANopen®, built in

Ethernet IP, optional

PROFINET, optional

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

NEMA 4X Electromagnetic compatibility 1st and 2nd environmen...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-344D1FB-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

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.