

INDUSTRIAL COMPONENT DATA

DA1-34180FB-B55C 169403 Y7-169403 EATON ELECTRIC

Variable frequency drive, 400 V AC, 3-phase, 180 A, 90 kW, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-34180FB-B55C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-34180FB-B55C
Catalog number	Y7-169403
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-C60D68DED3
Generated	2026-08-02

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 180 A, 90 kW, IP55/NEMA 12, Radio interference suppression filter, OLED display, DC link choke

DA1-34180FB-B55C

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: $I_e = 180 \text{ A}$, Note: Rated operational current at an operating frequency of 4 kHz and an ambient air temperature of $+40^\circ \text{C}$, 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: $P = 90 \text{ kW}$, 150 % Overload: $I_M = 161 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 125 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 180 \text{ A}$, Degree of Protection: IP55/NEMA 12, 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: Radio interference suppression filter, Brake chopper, Additional PCB protection, OLED display, DC...

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 169403 Model Code DA1-34180FB-B55C EAN

4015081660445 Product Length/Depth 313.5 mm Product Height 865 mm Product Width 330 mm Product Weight 50 kg

Certifications CE

UL 508C

RCM

RoHS, ISO 9001

DNV

UL report applies to both US and Canada

CSA-C22.2 No. 14

CUL

IEC/EN 61800-3

EAC

Certified by UL for use in Canada

IEC/EN61800-3

Safety: EN 61800-5-1: 2003

UkrSEPRO

UL File No.: E172143

UL

IEC/EN61800-5

Specification for general requirements: IEC/EN 61800-2

UL Category Control No.: NMMS, NMMS7 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 C2 <= 5 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

C3 <= 25 m, Radio interference level, maximum motor cable length

100 m, screened, maximum permissible, Motor feeder

150 m, unscreened, maximum permissible, Motor feeder Communication interface SmartWire-DT, optional

CANopen®, built in

Ethernet IP, optional

DeviceNet, optional

PROFIBUS, optional

PROFINET, optional

OP-Bus (RS485), built in

EtherCAT, optional

Modbus-TCP, optional

Modbus RTU, built in Connection to SmartWire-DT Yes

In conjunction with DX-NET-SWD1 SmartWire DT module Degree....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-34180FB-B55C 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.