

INDUSTRIAL COMPONENT DATA

DA1-32180FB-B55C 169373 Y7-169373 EATON ELECTRIC

Variable frequency drive, 230 V AC, 3-phase, 180 A, 55 kW, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-32180FB-B55C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-32180FB-B55C
Catalog number	Y7-169373
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-497EAB8C96
Generated	2026-08-02

Product Overview

Variable frequency drive, 230 V AC, 3-phase, 180 A, 55 kW, IP55/NEMA 12, Radio interference suppression filter, OLED display, DC link choke

DA1-32180FB-B55C

Variable frequency drive, Part group reference (e.g. DIL): DA1, Rated operational voltage: $U_e = 230 \text{ V AC}$, 3-phase, 240 V AC, 3-phase, Output voltage with V_e : $U_2 = 230 \text{ V AC}$, 3-phase, 240 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 200 (-10\%) - 240 (+10\%) \text{ V}$, 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 230 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 55 \text{ kW}$, 150 % Overload: $I_M = 173 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 60 \text{ HP}$, Assigned motor rating Note: Alternatively: allocated motor output of 45 kW (230 V) with 141-A rated motor current, Assigned motor rating 150 % Overload: $I_M = 154 \text{ A}$, 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-...

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 169373 Model Code DA1-32180FB-B55C EAN

4015081658183 Product Length/Depth 313.5 mm Product Height 865 mm Product Width 330 mm Product Weight 50 kg

Certifications UL report applies to both US and Canada

Safety: EN 61800-5-1: 2003

UkrSEPRO

EAC

UL 508C

UL File No.: E172143

Certified by UL for use in Canada

UL Category Control No.: NMMS, NMMS7

IEC/EN61800-5

Specification for general requirements: IEC/EN 61800-2

DNV

IEC/EN 61800-3

UL

RCM

CE

CSA-C22.2 No. 14

IEC/EN61800-3

CUL

RoHS, ISO 9001 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 100 m, screened, maximum permissible, Motor feeder

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

150 m, unscreened, maximum permissible, Motor feeder Communication interface Ethernet IP, optional

PROFINET, optional

SmartWire-DT, optional

OP-Bus (RS485), built in

EtherCAT, optional

Modbus RTU, built in

PROFIBUS, optional

CANopen®, built in

DeviceNet, optional

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

Yes Degree....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-32180FB-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

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