

INDUSTRIAL COMPONENT DATA

DA1-35150NB-B55C 176974 Y7-176974 EATON ELECTRIC
Variable frequency drive, 500 V AC, 3-phase, 150 A, 110 kW,..

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-35150NB-B55C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-35150NB-B55C
Catalog number	Y7-176974
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-71BD937BC5
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Product Overview

Variable frequency drive, 500 V AC, 3-phase, 150 A, 110 kW, IP55/NEMA 12, OLED display, DC link choke

DA1-35150NB-B55C

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: $I_e = 150 \text{ A}$, Note: Rated operational current at an operating frequency of 4 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: $P = 110 \text{ kW}$, 150 % Overload: $I_M = 150 \text{ A}$, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 110 \text{ kW}$, 150 % Overload: $I_M = 150 \text{ A}$, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 150 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 144 \text{ A}$, 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: Brake chop...

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 176974 Model Code DA1-35150NB-B55C EAN

4015081714179 Product Length/Depth 313.5 mm Product Height 865 mm Product Width 330 mm Product Weight 50 kg

Certifications IEC/EN61800-5

CSA-C22.2 No. 14

DNV

Specification for general requirements: IEC/EN 61800-2

UL File No.: E172143

Safety: EN 61800-5-1: 2003

IEC/EN 61800-3

UL report applies to both US and Canada

CE

RCM

CUL

UkrSEPRO

EAC

IEC/EN61800-3

UL Category Control No.: NMMS, NMMS7

Certified by UL for use in Canada

RoHS, ISO 9001

UL

UL 508C 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

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

100 m, screened, maximum permissible, Motor feeder

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

SmartWire-DT, optional

CANopen®, built in

OP-Bus (RS485), built in

DeviceNet, optional

Ethernet IP, optional

PROFIBUS, optional

PROFINET, optional

Modbus RTU, built in

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

Yes Degree of protection IP55

NEMA 12 Fitted with: Additional PCB protection

IGBT inverter

OLED display

Control unit

Brake chopper

DC link...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-35150NB-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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