

INDUSTRIAL COMPONENT DATA

DA1-35028NB-B55C 176966 Y7-176966 EATON ELECTRIC
Variable frequency drive, 500 V AC, 3-phase, 28 A, 18.5 kW,...

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-35028NB-B55C



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-35028NB-B55C
Catalog number	Y7-176966
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-4D1A530B2C
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Product Overview

Variable frequency drive, 500 V AC, 3-phase, 28 A, 18.5 kW, IP55/NEMA 12, OLED display

DA1-35028NB-B55C

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: $I_e = 28$ 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: $P = 18.5$ kW, 150 % Overload: $I_M = 28$ A, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 18.5$ kW, 150 % Overload: $I_M = 27.6$ A, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 25$ HP, Assigned motor rating 150 % Overload: $I_M = 27$ 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 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 176966 Model Code DA1-35028NB-B55C EAN

4015081714094 Product Length/Depth 240 mm Product Height 450 mm Product Width 173 mm Product Weight 11.5 kg

Certifications Specification for general requirements: IEC/EN 61800-2

UL Category Control No.: NMMS, NMMS7

IEC/EN 61800-3

IEC/EN61800-3

Certified by UL for use in Canada

IEC/EN61800-5

RoHS, ISO 9001

UL

CE

CSA-C22.2 No. 14

RCM

UL File No.: E172143

UL report applies to both US and Canada

DNV

EAC

UkrSEPRO

CUL

Safety: EN 61800-5-1: 2003

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 100 m, screened, maximum permissible, Motor feeder

150 m, unscreened, maximum permissible, Motor feeder

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

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

EtherCAT, optional

PROFINET, optional

SmartWire-DT, optional

CANopen®, built in

OP-Bus (RS485), built in

DeviceNet, optional

Modbus-TCP, optional

Modbus RTU, built in

PROFIBUS, optional Connection to SmartWire-DT Yes

In conjunction with DX-NET-SWD1 SmartWire DT module Degree of protection IP55

NEMA 12 Fitted with: Control unit

Breaking resistance

OLED display

Brake chopper

Additional PCB protection

P...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-35028NB-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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