

INDUSTRIAL COMPONENT DATA

DA1-354D1NB-B6SC 177014 Y7-177014 EATON ELECTRIC
Variable frequency drive, 500 V AC, 3-phase, 4.1 A, 2.2 kW,...

Brand: EATON - MOELLER | Manufacturer Part Number: DA1-354D1NB-B6SC



Manufacturer	EATON - MOELLER
MPN / Reference	DA1-354D1NB-B6SC
Catalog number	Y7-177014
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-D86D6F46F3
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Product Overview

Variable frequency drive, 500 V AC, 3-phase, 4.1 A, 2.2 kW, IP66/NEMA 4X, OLED display, Local controls
DA1-354D1NB-B6SC

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: $I_e = 4.1$ 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: $P = 2.2$ kW, 150 % Overload: $I_M = 4$ A, Assigned motor rating Note: at 525 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 2.2$ kW, 150 % Overload: $I_M = 3.8$ A, Assigned motor rating Note: at 550 - 600 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 3$ HP, Assigned motor rating 150 % Overload: $I_M = 3.9$ 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: 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 177014 Model Code DA1-354D1NB-B6SC EAN 4015081714575 Product Length/Depth 239.3 mm Product Height 257 mm Product Width 188 mm Product Weight 1.8 kg

Certifications UL 508C

RoHS, ISO 9001

UL

CUL

IEC/EN 61800-3

RCM

Specification for general requirements: IEC/EN 61800-2

UL Category Control No.: NMMS, NMMS7

UL File No.: E172143

EAC

IEC/EN61800-3

UL report applies to both US and Canada

CE

UkrSEPRO

Safety: EN 61800-5-1: 2003

Certified by UL for use in Canada

CSA-C22.2 No. 14

IEC/EN61800-5 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 300 m, unscreened, with motor choke, maximum permissible, Motor feeder

100 m, screened, maximum permissible, Motor feeder

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

150 m, unscreened, maximum permissible, Motor feeder Communication interface Modbus RTU, built in

PROFINET, optional

DeviceNet, optional

EtherCAT, optional

CANopen®, built in

Modbus-TCP, optional

Ethernet IP, optional

PROFIBUS, optional

OP-Bus (RS485), built in Connection to SmartWire-DT No Degree of protection IP66

NEMA 4X Fitted with: Brake chopper

IGBT inverter

OLED display

Internal DC link

Additional PCB protection

Control unit

Local controls

PC connection

Breaking resistance Frame size FS2 Funct...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DA1-354D1NB-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

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