

INDUSTRIAL COMPONENT DATA

**DC1-34024FB-A6SOE1 199444 Y7-199444 EATON ELECTRIC
DC1-34024FB-A6SOE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-34024FB-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-34024FB-A6SOE1
Catalog number	Y7-199444
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-55AAC8A132
Generated	2026-08-04

Product Overview

DC1-34024FB-A6SOE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 24 A, 11 kW, IP66/NEMA 4X, Radio interference suppression filter, Brake chopper, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, FS3

Variable frequency drive, Part group reference (e.g. DIL): DC1, 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: $I_e = 24 \text{ A}$, Note: Rated operational current at an operating frequency of 6 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 four-pole three-phase asynchronous motors with 1500 rpm at 50 Hz and 1800 rpm at 60 Hz, Overload cycle for 60 s every 600 s, at 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 11 \text{ kW}$, 150 % Overload: $I_M = 3.2 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 15 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 4.2 \text{ A}$, Degree of Protection: IP66/NEMA 4X, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Radio interference suppression filter, Brake chopper, 7-digital display assembly...

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 DC1 Variable frequency drive Catalog Number 199444 Model Code DC1-34024FB-A6SOE1 EAN 4015081978335 Product Length/Depth 238 mm Product Height 310 mm Product Width 210.5 mm Product Weight 7 kg

Certifications UL Category Control No.: NMMS, NMMS7
UL File No.: E172143
RCM
CE marking
UL report applies to both US and Canada
CUL
EAC
CSA-C22.2 No. 14
IEC/EN 61800-2
IEC/EN 61800-5-1
RoHS, ISO 9001
Certified by UL for use in Canada
IEC/EN 61800-3
UL
UL 508C
UL Listed
CE
IEC/EN61800-5
UkrSEPRO Catalog Notes Features & Functions
Features Parameterization: Fieldbus
Parameterization: Keypad
Parameterization: drivesConnect
Parameterization: drivesConnect mobile (App) Fitted with: Control unit
Local controls
Internal DC link
Brake chopper
Breaking resistance
Additional PCB protection
IGBT inverter
7-digital display assembly
UV resistance
Radio interference suppression filter
PC connection Functions 4-quadrant operation possible General
Cable length C3 ≤ 25 m, maximum motor cable length
100 m, screened, maximum permissible cable length
200 m, screened, with motor choke, maximum permissible cable length
150 m, unscreened, maximum permissible cable length
300 m, unscreened, with motor choke, maximum permissible, Motor feeder
C2 ≤ 5 m, maximum motor cable length Communication interface Modbus RTU, built in
OP-Bus (RS485), built in
SmartWire-DT, optional
CANopen®, built in Connection to SmartWire-DT No Degree of protection IP66
NEMA 4X Electromagnetic co...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-34024FB-A6SOE1 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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