

INDUSTRIAL COMPONENT DATA

DC1-32046FB-A6SOE1 199428 Y7-199428 EATON ELECTRIC DC1-32046FB-A6SOE1

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-32046FB-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-32046FB-A6SOE1
Catalog number	Y7-199428
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-67718A60FF
Generated	2026-08-04

Product Overview

DC1-32046FB-A6SOE1

Eaton DC1 Variable frequency drive, 230 V AC, 3-phase, 46 A, 11 kW, IP66/NEMA 4X, Radio interference suppression filter, Brake chopper, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, FS4 Variable frequency drive, Part group reference (e.g. DIL): DC1, 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: $I_e = 46 \text{ A}$, 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 230 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 11 \text{ kW}$, 150 % Overload: $I_M = 46 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 15 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 46 \text{ A}$, 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
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Additional Product Information

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 199428 Model Code DC1-32046FB-A6SOE1 EAN 4015081978175 Product Length/Depth 275 mm Product Height 360 mm Product Width 240 mm Product Weight 9.5 kg

Certifications CUL

CSA-C22.2 No. 14

IEC/EN 61800-5-1

UL Category Control No.: NMMS, NMMS7

UL Listed

UL report applies to both US and Canada

UkrSEPRO

CE

Certified by UL for use in Canada

CE marking

UL

IEC/EN61800-5

RoHS, ISO 9001

IEC/EN 61800-2

RCM

UL 508C

UL File No.: E172143

EAC

IEC/EN 61800-3 Catalog Notes Features & Functions

Features Parameterization: Keypad

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: drivesConnect Fitted with: Radio interference suppression filter

PC connection

IGBT inverter

Control unit

Brake chopper

Local controls

Breaking resistance

Internal DC link

Additional PCB protection

UV resistance

7-digital display assembly Functions 4-quadrant operation possible General

Cable length C2 ≤ 5 m, maximum motor 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

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

150 m, unscreened, maximum permissible cable length Communication interface OP-Bus (RS485), built in

CANopen®, built in

SmartWire-DT, optional

Modbus RTU, built in Connection to SmartWire-DT No Degree of protection NEMA 4X

IP66 Electromagnetic co...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-32046FB-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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