

INDUSTRIAL COMPONENT DATA

**DC1-32018FB-A6SOE1 199422 Y7-199422 EATON ELECTRIC
DC1-32018FB-A6SOE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-32018FB-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-32018FB-A6SOE1
Catalog number	Y7-199422
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-EBB5974845
Generated	2026-08-05

Product Overview

DC1-32018FB-A6SOE1

Eaton DC1 Variable frequency drive, 230 V AC, 3-phase, 18 A, 4 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: $U_e = 230 \text{ V AC}$, 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: $I_e = 18 \text{ A}$, 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: $P = 4 \text{ kW}$, 150 % Overload: $I_M = 14.8 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 5 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 15.2 \text{ A}$, 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
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Additional Product Information

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 199422 Model Code DC1-32018FB-A6SOE1 EAN 4015081978113 Product Length/Depth 238 mm Product Height 310 mm Product Width 210.5 mm Product Weight 7 kg

Certifications RCM

UkrSEPRO

Certified by UL for use in Canada

CUL

RoHS, ISO 9001

CE marking

UL Listed

IEC/EN 61800-2

CE

UL report applies to both US and Canada

UL 508C

UL Category Control No.: NMMS, NMMS7

IEC/EN 61800-3

CSA-C22.2 No. 14

IEC/EN61800-5

UL

EAC

UL File No.: E172143

IEC/EN 61800-5-1 Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: Fieldbus

Parameterization: drivesConnect mobile (App)

Parameterization: Keypad Fitted with: PC connection

Radio interference suppression filter

Additional PCB protection

Breaking resistance

7-digital display assembly

Brake chopper

Local controls

Control unit

Internal DC link

IGBT inverter

UV resistance 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

C2 ≤ 5 m, maximum motor cable length

300 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface SmartWire-DT, optional

CANopen®, built in

Modbus RTU, built in

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

NEMA 4X Electromagnetic co...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-32018FB-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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