

INDUSTRIAL COMPONENT DATA

**DC1-34018FB-A66OE1 199441 Y7-199441 EATON ELECTRIC
DC1-34018FB-A66OE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-34018FB-A66OE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-34018FB-A66OE1
Catalog number	Y7-199441
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-6139FBDB64
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Product Overview

DC1-34018FB-A66OE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 18 A, 7.5 kW, IP66/NEMA 4X, Radio interference suppression filter, Brake chopper, 7-digital display assembly, 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: $I_e = 18 \text{ A}$, Note: Rated operational current at an operating frequency of 6 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 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: $P = 7.5 \text{ kW}$, 150 % Overload: $I_M = 15.2 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 10 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 14 \text{ A}$, 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, Additional...

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 199441 Model Code DC1-34018FB-A66OE1 EAN 4015081978304 Product Length/Depth 238 mm Product Height 310 mm Product Width 210.5 mm Product Weight 7 kg

Certifications IEC/EN 61800-3

IEC/EN 61800-2

UkrSEPRO

RCM

Certified by UL for use in Canada

RoHS, ISO 9001

IEC/EN 61800-5-1

UL Listed

UL

UL 508C

CSA-C22.2 No. 14

UL File No.: E172143

EAC

UL report applies to both US and Canada

CE

CE marking

IEC/EN61800-5

CUL

UL Category Control No.: NMMS, NMMS7 Catalog Notes Features & Functions

Features Parameterization: drivesConnect mobile (App)

Parameterization: Keypad

Parameterization: drivesConnect

Parameterization: Fieldbus Fitted with: Radio interference suppression filter

PC connection

Breaking resistance

UV resistance

7-digital display assembly

IGBT inverter

Control unit

Additional PCB protection

Brake chopper

Internal DC link Functions 4-quadrant operation possible General

Cable length 200 m, screened, with motor choke, maximum permissible cable length

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

100 m, screened, maximum permissible cable length

C2 ≤ 5 m, maximum motor cable length

150 m, unscreened, maximum permissible cable length

C3 ≤ 25 m, maximum motor cable length Communication interface Modbus RTU, built in

CANopen®, built in

OP-Bus (RS485), built in

SmartWire-DT, optional Connection to SmartWire-DT No Degree of protection NEMA 4X

IP66 Electromagnetic compatibility 1st...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-34018FB-A66OE1 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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