

INDUSTRIAL COMPONENT DATA

DC1-32018FB-A20CE1 185842 Y7-185842 EATON ELECTRIC

Variable frequency drive, 230 V AC, 3-phase, 18 A, 4 kW, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-32018FB-A20CE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-32018FB-A20CE1
Catalog number	Y7-185842
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-F21F449617
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Product Overview

Variable frequency drive, 230 V AC, 3-phase, 18 A, 4 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS3

DC1-32018FB-A20CE1

Eaton DC1 Variable frequency drive, 230 V AC, 3-phase, 18 A, 4 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, FS3 DC1-32018FB-A20CE1

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 a switching frequency of 8 kHz and an ambient air temperature of $+50^\circ \text{C}$, 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 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: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: Radio interference s...

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 185842 Model Code DC1-32018FB-A20CE1 EAN 4015081813414 Product Length/Depth 175 mm Product Height 273 mm Product Width 129 mm Product Weight 6 kg

Certifications UL 508C

UL report applies to both US and Canada

UL

UL File No.: E172143

EAC

IEC/EN61800-3

UkrSEPRO

CE

Certified by UL for use in Canada

Safety requirements: IEC/EN 61800-5-1

RoHS, ISO 9001

Specification for general requirements: IEC/EN 61800-2

CSA-C22.2 No. 14

IEC/EN 61800-3

IEC/EN61800-5

RCM

UL Category Control No.: NMMS, NMMS7

CUL Catalog Notes Features & Functions

Features Parameterization: drivesConnect

Parameterization: drivesConnect mobile (App)

Parameterization: Fieldbus

Parameterization: Keypad Fitted with: 7-digital display assembly

PC connection

Control unit

Radio interference suppression filter

IGBT inverter

Internal DC link

Brake chopper

Breaking resistance

Additional PCB protection Functions 4-quadrant operation possible General

Cable length C2 ≤ 5 m, Radio interference level, maximum motor cable length

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

C3 ≤ 25 m, Radio interference level, maximum motor cable length

100 m, screened, maximum permissible, Motor feeder

150 m, unscreened, maximum permissible, Motor feeder

300 m, unscreened, with motor choke, maximum permissible, Motor feeder Communication interface Modbus RTU, built in

OP-Bus (RS485), built in

CANopen®, built in

SmartWire-DT, optional Conn...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-32018FB-A20CE1 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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