

## INDUSTRIAL COMPONENT DATA

# DC1-34014FB-A20N 169490 EATON ELECTRIC Variable frequency drive, 400 V AC, 3-phase, 14 A, 5.5 kW, IP20/NEMA

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Brand: EATON - MOELLER | Manufacturer Part Number: DC1-34014FB-A20N



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-34014FB-A20N                   |
| Catalog number  | 169490                             |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-49FB1EECD9                      |
| Generated       | 2026-08-04                         |

## Product Overview

Variable frequency drive, 400 V AC, 3-phase, 14 A, 5.5 kW, IP20/NEMA 0, Radio interference suppression filter, Brake chopper, 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:  $I_e = 14 \text{ A}$ , Note: Rated operational current at an operating frequency of 16 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 400 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 5.5 \text{ kW}$ , 150 % Overload:  $I_M = 11.3 \text{ A}$ , 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: IP20/NEMA 0, 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, Frame size: FS3, Connection to SmartWire-DT: with SmartWire-DT module DX-NET-SWD3 , Standards: Specification....

## 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

Delivery program This item will continue to be available for a limited time only and is being replaced by the following item:

185758, DC1-34014FB-A20CE1

Product range Variable frequency drives

Part group reference (e.g. DIL) DC1

Rated operational voltage  $U_e$  400 V AC, 3-phase

480 V AC, 3-phase

Output voltage with  $V_e$   $U_2$  400 V AC, 3-phase

480 V AC, 3-phase

Mains voltage (50/60Hz) ULN V 380 (-10%) - 480 (+10%)

Rated operational current

At 150% overload  $I_e$  A 14

Note Rated operational current at an operating frequency of 16 kHz and an ambient air temperature of +50 °C

Assigned motor rating

Note for normal internally and externally ventilated 4 pole, three-phase asynchronous motors with 1500 rpm-1at 50 Hz or 1800 min-1at 60 Hz

Note Overload cycle for 60 s every 600 s

Note at 400 V, 50 Hz

150 % Overload P kW 5.5

150 % Overload IM A 11.3

Note at 440 - 480 V, 60 Hz

150 % Overload P HP 10

150 % Overload IM A 14

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 suppression filter

Brake chopper

7-digital display assembly

Frame size FS3

Connection to SmartWire-DT yes

in conjunction with DX-NET-SWD3 SmartWire DT module

Technical data General

Standards Specification for general requirements: IEC/EN 61800-2

EMC requirements: IEC/EN 61800-3

Safety requirements: IEC/EN 61800-5-1

Certifications CE, UL, cUL, RCM, UkrSEPRO, EAC

Production quality RoHS, ISO 9001

Climatic pro...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-34014FB-A20N with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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