

## INDUSTRIAL COMPONENT DATA

# DC1-32024FB-A20N 180455 EATON ELECTRIC Frequency converter 3/3 230 V 24 A 5.5 kW EMC Filter Transistor Braki..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-32024FB-A20N



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-32024FB-A20N                   |
| Catalog number  | 180455                             |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-0782FE56D4                      |
| Generated       | 2026-08-05                         |

## Product Overview

Frequency converter; 3/3; 230 V; 24 A; 5.5 kW; EMC Filter; Transistor Braking

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:  $I_e = 24 \text{ A}$ , 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 230 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 5.5 \text{ kW}$ , 150 % Overload:  $I_M = 24 \text{ A}$ , Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 7.5 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 24 \text{ A}$ , 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 for general requirements: IEC/EN 61800-2, EMC require...

## 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

ETIM for 180455 Low-voltage industrial controls and switchgear (EC001857)

Feature Name

Feature Value

With control element (EF001538)  
No  
Application in industrial area permitted (EF007294)  
No  
Application in domestic- and commercial area permitted (EF007295)  
No  
Supporting protocol for TCP/IP (EF003050)  
No  
Supporting protocol for PROFIBUS (EF003052)  
No  
Supporting protocol for CAN (EF003053)  
No  
Supporting protocol for INTERBUS (EF003054)  
No  
Supporting protocol for ASI (EF003051)  
No  
Supporting protocol for KNX (EF003055)  
No  
Supporting protocol for Modbus (EF003057)  
No  
Supporting protocol for Data-Highway (EF003058)  
No  
Supporting protocol for DeviceNet (EF003059)  
No  
Supporting protocol for SUCONET (EF003060)  
No  
Supporting protocol for LON (EF003017)  
No  
Supporting protocol for PROFINET IO (EF007525)  
No  
Supporting protocol for PROFINET CBA (EF007524)  
No  
Supporting protocol for SERCOS (EF006657)  
No  
Supporting protocol for Foundation Fieldbus (EF007522)  
No  
Supporting protocol for EtherNet/IP (EF007521)  
No  
Supporting protocol for AS-Interface Safety at Work (EF007519)  
No  
Supporting protocol for DeviceNet Safety (EF007520)  
No  
Supporting protocol for INTERBUS-Safety (EF006662)  
No  
Supporting protocol for PROFIsafe (EF007526)  
No  
Supporting protocol for SafetyBUS p (EF007527)

No  
Supporting protocol for BACnet (EF011944)  
No  
Supporting protocol for other bus systems (EF003062)  
No  
With optical interface (EF003028)  
No  
With PC connection (EF006107)  
No  
Integrated breaking resistance (EF007293)  
No...

### REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-32024FB-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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