

**INDUSTRIAL COMPONENT DATA**

# DC1-S24D3FN-A20CE1 186088 Y7-186088 EATON ELECTRIC

## Variable frequency drives, 1-/single-phase 230 V, 4.3 A, ..

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-S24D3FN-A20CE1



|                 |                                    |
|-----------------|------------------------------------|
| Manufacturer    | EATON - MOELLER                    |
| MPN / Reference | DC1-S24D3FN-A20CE1                 |
| Catalog number  | Y7-186088                          |
| Category        | Frequency converter less than 1 kV |
| Minimum order   | 1 Pcs                              |
| Document ID     | EO-090A8FDC17                      |
| Generated       | 2026-08-04                         |

### Product Overview

Variable frequency drives, 1-/single-phase 230 V, 4.3 A, 0.37 kW, EMC Filters

DC1-S24D3FN-A20CE1

Eaton DC1 Variable frequency drive, 230 V AC, 1-phase, 4.3 A, 0.37 kW, IP20/NEMA 0, Radio interference suppression filter, FS1 DC1-S24D3FN-A20CE1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage:  $U_e = 230 \text{ V AC}$ , 1-phase, 240 V AC, single-phase, Output voltage with  $V_e$ :  $U_2 = 230 \text{ V AC}$ , single-phase, 240 V AC, single-phase, Mains voltage (50/60Hz):  $U_{LN} = 200 (-10\%) - 240 (+10\%) \text{ V}$ , Rated operational current At 150% overload:  $I_e = 4.3 \text{ A}$ , 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 AC motors with internal and external ventilation with 50/60 Hz without additional start capacitor, Overload cycle for 60 s every 600 s, at 230 V, 50 Hz, Assigned motor rating 150 % Overload:  $P = 0.37 \text{ kW}$ , 150 % Overload:  $I_M = 4.3 \text{ A}$ , Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload:  $P = 0.5 \text{ HP}$ , Assigned motor rating 150 % Overload:  $I_M = 4.3 \text{ A}$ , 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, 7-digital display assembly, Frame size: FS1, Standards:...

**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 186088 Model Code DC1-S24D3FN-A20CE1 EAN

4015081815890 Product Length/Depth 124 mm Product Height 184 mm Product Width 81 mm Product Weight 1.2 kg

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

IEC/EN61800-3

UL Category Control No.: NMMS, NMMS7

Certified by UL for use in Canada

Safety requirements: IEC/EN 61800-5-1

UL 508C

EAC

CSA-C22.2 No. 14

RCM

IEC/EN 61800-3

CE

UL

UL File No.: E172143

IEC/EN61800-5

RoHS, ISO 9001

UL report applies to both US and Canada

CUL

UkrSEPRO Catalog Notes Environmental class: 3C2, 3S2 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

Internal DC link

IGBT inverter

Additional PCB protection General

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

50 m, screened, maximum permissible, Motor feeder

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

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

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

75 m, unscreened, maximum permissible, Motor feeder

C1 ≤ 1 m, Radio interference level, maximum motor cable length Communication interface OP-Bus (RS485), built in

SmartWire-DT, optional

Modbus RTU, built in

CANop...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-S24D3FN-A20CE1 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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