

INDUSTRIAL COMPONENT DATA

DC1-344D1FN-A20N 169478 EATON ELECTRIC Variable Frequency Drive, 3-/3- 400 V, 4.1 A, 1.5 kW, EMC-Filter

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-344D1FN-A20N



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-344D1FN-A20N
Catalog number	169478
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-C780DAFB62
Generated	2026-08-03

Product Overview

Variable Frequency Drive, 3-/3- 400 V, 4.1 A, 1.5 kW, EMC-Filter

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: $I_e = 4.1 \text{ A}$, 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: $P = 1.5 \text{ kW}$, 150 % Overload: $I_M = 3.6 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 2 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 3.4 \text{ A}$, 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, Connection to SmartWire-DT: with SmartWire-DT module DX-NET-SWD3 , Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/EN 61800-3, Safe...

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 programme 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 $I_e A$ 4.1

Note Rated operational current at an operating frequency of 16 kHz and an ambient air temperature of +50 °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-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 1.5

150 % Overload IM A 3.6

Note at 440 - 480 V, 60 Hz

150 % Overload P HP 2

150 % Overload IM A 3.4

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

Connection to SmartWire-DT with SmartWire-DT module DX-NET-SWD3

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, c-Tick, Ukr Sepro, EAC

Production quality RoHS, ISO 9001

Climatic proofing ?w % < 95%, average relative humidity (RH), non-condensing, non-corrosive

Ambient temperature

operation (150 % overl...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-344D1FN-A20N 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.