

INDUSTRIAL COMPONENT DATA

DC1-34039FB-A20N 180462 EATON ELECTRIC Frequency converter 3/3 400 V 39 18.5 kW EMC Filter Transistor Braking

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-34039FB-A20N



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-34039FB-A20N
Catalog number	180462
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-DCE7C0E303
Generated	2026-08-06

Product Overview

Frequency converter; 3/3; 400 V; 39; 18.5 kW; EMC Filter; Transistor Braking

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: $I_e = 39 \text{ A}$, 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: $P = 18.5 \text{ kW}$, 150 % Overload: $I_M = 39 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 25 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 39 \text{ A}$, 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: FS4, Connection to SmartWire-DT: with SmartWire-DT module DX-NET-SWD3, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirem...

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 180462 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 / DC1-34039FB-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.