

INDUSTRIAL COMPONENT DATA

DC1-32018FB-A66N 169451 EATON ELECTRIC Frequency converter 3/3 230 V 18 A 4 kW EMC Filter Transistor Braking

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-32018FB-A66N



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-32018FB-A66N
Catalog number	169451
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-71054099E5
Generated	2026-08-05

Product Overview

Frequency converter; 3/3; 230 V; 18 A; 4 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: $I_e = 18 \text{ A}$, Note: Rated operational current at a switching frequency of 8 kHz and an ambient air temperature of $+40^\circ \text{C}$, 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: $P = 4 \text{ kW}$, 150 % Overload: $I_M = 14.8 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 5 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 15.2 \text{ A}$, Degree of Protection: IP66/NEMA 4X, 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-SWD2, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requiremen...

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 169451 Low-voltage industrial controls and switchgear (EC001857)

Feature Name

Feature Value

Mains voltage (EF006780)
200 V

Mains frequency (EF006783)
50/60 Hz

Number of phases input (EF007117)
3

Number of phases output (EF006998)
3

Max. output frequency (EF007350)
500 Hz

Max. output voltage (EF009560)
230 V

Nominal output current I_{2N} (EF009561)
18 A

Max. output at quadratic load at rated output voltage (EF007366)
4 kW

Max. output at linear load at rated output voltage (EF007364)
4 kW

Relative symmetric net frequency tolerance (EF007454)
10 %

With control element (EF001538)
Yes

Application in industrial area permitted (EF007294)
Yes

Application in domestic- and commercial area permitted (EF007295)
Yes

Supporting protocol for TCP/IP (EF003050)
No

Supporting protocol for PROFIBUS (EF003052)
No

Supporting protocol for CAN (EF003053)
Yes

Supporting protocol for INTERBUS (EF003054)
No

Supporting protocol for ASI (EF003051)
No

Supporting protocol for KNX (EF003055)
No

Supporting protocol for Modbus (EF003057)
Yes

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-...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-32018FB-A66N 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.