

INDUSTRIAL COMPONENT DATA

**DC1-34046FB-A6SOE1 199450 Y7-199450 EATON ELECTRIC
DC1-34046FB-A6SOE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-34046FB-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-34046FB-A6SOE1
Catalog number	Y7-199450
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-F3C02B175E
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Product Overview

DC1-34046FB-A6SOE1

Eaton DC1 Variable frequency drive, 400 V AC, 3-phase, 46 A, 22 kW, IP66/NEMA 4X, Radio interference suppression filter, Brake chopper, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, FS4 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: $I_e = 46 \text{ A}$, Note: Rated operational current at an operating frequency of 6 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 four-pole three-phase asynchronous motors with 1500 rpm at 50 Hz and 1800 rpm at 60 Hz, Overload cycle for 60 s every 600 s, at 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 22 \text{ kW}$, 150 % Overload: $I_M = 46 \text{ A}$, Assigned motor rating Note: at 440 - 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 30 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 46 \text{ A}$, 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,...

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
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Additional Product Information

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 199450 Model Code DC1-34046FB-A6SOE1 EAN 4015081978397 Product Length/Depth 275 mm Product Height 360 mm Product Width 240 mm Product Weight 9.5 kg

Certifications CE marking
CSA-C22.2 No. 14
UL Category Control No.: NMMS, NMMS7
UkrSEPRO
UL File No.: E172143
CE
EAC
IEC/EN 61800-3
RoHS, ISO 9001
CUL
IEC/EN 61800-2
UL 508C
IEC/EN61800-5
Certified by UL for use in Canada
UL
RCM
IEC/EN 61800-5-1
UL Listed
UL report applies to both US and Canada Catalog Notes Features & Functions
Features Parameterization: Fieldbus
Parameterization: drivesConnect mobile (App)
Parameterization: drivesConnect
Parameterization: Keypad Fitted with: Control unit
IGBT inverter
Breaking resistance
Brake chopper
Additional PCB protection
Local controls
Internal DC link
PC connection
7-digital display assembly
Radio interference suppression filter
UV resistance Functions 4-quadrant operation possible General
Cable length C3 ≤ 25 m, maximum motor cable length
300 m, unscreened, with motor choke, maximum permissible, Motor feeder
C2 ≤ 5 m, maximum motor cable length
100 m, screened, maximum permissible cable length
200 m, screened, with motor choke, maximum permissible cable length
150 m, unscreened, maximum permissible cable length Communication interface CANopen®, built in
SmartWire-DT, optional
Modbus RTU, built in
OP-Bus (RS485), built in Connection to SmartWire-DT No Degree of protection NEMA 4X
IP66 Electromagnetic co...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-34046FB-A6SOE1 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

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