

INDUSTRIAL COMPONENT DATA

**DC1-S27D0FN-A6SOE1 199390 Y7-199390 EATON ELECTRIC
DC1-S27D0FN-A6SOE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-S27D0FN-A6SOE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-S27D0FN-A6SOE1
Catalog number	Y7-199390
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-DF2D8D9495
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Product Overview

DC1-S27D0FN-A6SOE1

Eaton DC1 Variable frequency drive, 230 V AC, 1-phase, 7 A, 0.75 kW, IP66/NEMA 4X, Radio interference suppression filter, 7-digital display assembly, Local controls, Additional PCB protection, UV resistant, FS1

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: $I_e = 7 \text{ A}$, 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 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: $P = 0.75 \text{ kW}$, 150 % Overload: $I_M = 7 \text{ A}$, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 1 \text{ HP}$, Assigned motor rating 150 % Overload: $I_M = 6.8 \text{ A}$, 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, 7-digital display assembly, Local controls, Additional PCB protection, UV....

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 199390 Model Code DC1-S27D0FN-A6SOE1 EAN 4015081977796 Product Length/Depth 162 mm Product Height 232 mm Product Width 161 mm Product Weight 2.5 kg

Certifications CE

CUL

RCM

RoHS, ISO 9001

UL 508C

UL File No.: E172143

CE marking

CSA-C22.2 No. 14

IEC/EN 61800-3

IEC/EN 61800-5-1

UL Category Control No.: NMMS, NMMS7

Certified by UL for use in Canada

UL report applies to both US and Canada

EAC

IEC/EN61800-5

UL

UkrSEPRO

IEC/EN 61800-2

UL Listed Features & Functions

Features Parameterization: Fieldbus

Parameterization: drivesConnect mobile (App)

Parameterization: drivesConnect

Parameterization: Keypad Fitted with: Control unit

Local controls

UV resistance

7-digital display assembly

PC connection

IGBT inverter

Internal DC link

Radio interference suppression filter

Additional PCB protection General

Cable length 50 m, screened, maximum permissible, Motor feeder

75 m, unscreened, maximum permissible, Motor feeder

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

C1 ≤ 1 m, maximum motor cable length

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

C3 ≤ 25 m, maximum motor cable length

C2 ≤ 5 m, maximum motor cable length Communication interface CANopen®, built in

Modbus RTU, built in

OP-Bus (RS485), built in

SmartWire-DT, optional Connection to SmartWire-DT No Degree of protection NEMA 4X

IP66 Electromagnetic compatibility 1st and 2nd environments (according to...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-S27D0FN-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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