

INDUSTRIAL COMPONENT DATA

**DC1-S27D0FN-A66OE1 199389 Y7-199389 EATON ELECTRIC
DC1-S27D0FN-A66OE1**

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-S27D0FN-A66OE1



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-S27D0FN-A66OE1
Catalog number	Y7-199389
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-7E93FE3AE0
Generated	2026-08-05

Product Overview

DC1-S27D0FN-A66OE1

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, Additional PCB protection, UV resistant, FS1

Variable frequency drive, Part group reference (e.g. DIL): DC1, Rated operational voltage: $U_e = 230$ V AC, 1-phase, 240 V AC, single-phase, Output voltage with V_e : $U_2 = 230$ V AC, single-phase, 240 V AC, single-phase, Mains voltage (50/60Hz): $U_{LN} = 200$ (-10%) - 240 (+10%) V, Rated operational current At 150% overload: $I_e = 7$ A, Note: Rated operational current at an operating frequency of 6 kHz and an ambient air temperature of +40 °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: $P = 0.75$ kW, 150 % Overload: $I_M = 7$ A, Assigned motor rating Note: at 220 - 240 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 1$ HP, Assigned motor rating 150 % Overload: $I_M = 6.8$ 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, Additional PCB protection, UV resistant, Frame size: FS1, Stan...

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

General specifications

Product Name Eaton DC1 Variable frequency drive Catalog Number 199389 Model Code DC1-S27D0FN-A66OE1 EAN 4015081977789 Product Length/Depth 162 mm Product Height 232 mm Product Width 161 mm Product Weight 2.5 kg

Certifications UL Category Control No.: NMMS, NMMS7

IEC/EN 61800-3

CE

UkrSEPRO

IEC/EN 61800-5-1

Certified by UL for use in Canada

EAC

UL 508C

UL File No.: E172143

RCM

UL report applies to both US and Canada

CUL

IEC/EN 61800-2

UL

CE marking

UL Listed

CSA-C22.2 No. 14

IEC/EN61800-5

RoHS, ISO 9001 Features & Functions

Features Parameterization: Keypad

Parameterization: drivesConnect mobile (App)

Parameterization: drivesConnect

Parameterization: Fieldbus Fitted with: Control unit

7-digital display assembly

Radio interference suppression filter

Additional PCB protection

UV resistance

Internal DC link

IGBT inverter

PC connection General

Cable length C3 ≤ 25 m, maximum motor cable length

C2 ≤ 5 m, maximum motor cable length

75 m, unscreened, maximum permissible, Motor feeder

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

50 m, screened, maximum permissible, Motor feeder

C1 ≤ 1 m, maximum motor cable length

100 m, screened, with motor choke, maximum permissible, Motor feeder Communication interface OP-Bus (RS485), built in

Modbus RTU, built in

CANopen®, built in

SmartWire-DT, optional Connection to SmartWire-DT No Degree of protection IP66

NEMA 4X Electromagnetic compatibility 1st and 2nd environments (according to EN 61800-3) Fr...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-S27D0FN-A66OE1 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.