

INDUSTRIAL COMPONENT DATA

DC1-S27D0NN-A20N 169515 EATON ELECTRIC Variable Frequency Drive, 1-/1- 230 V, 7.0 A, 0.75 kW

Brand: EATON - MOELLER | Manufacturer Part Number: DC1-S27D0NN-A20N



Manufacturer	EATON - MOELLER
MPN / Reference	DC1-S27D0NN-A20N
Catalog number	169515
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-ABF192DC85
Generated	2026-08-05

Product Overview

Variable Frequency Drive, 1-/1- 230 V, 7.0 A, 0.75 kW

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): $U_{LN} = 200\text{ (-10\%)} - 240\text{ (+10\%)}\text{ V}$, Rated operational current At 150% overload: $I_e = 7\text{ A}$, Note: Rated operational current at an operating frequency of 16 kHz and an ambient air temperature of $+50\text{ }^\circ\text{C}$, 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: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: 7-digital display assembly, Frame size: FS1, Connection to SmartWire-DT: with SmartWire-DT module DX-NET-SWD3, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/EN 61800-3, Safety requirements: IEC/EN 61800-5-1

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

Variable frequency drive, 230 V AC, 1-phase, 7 A, 0.75 kW, IP20/NEMA 0, FS1 Eaton Catalog No. DC1-S27D0NN-A20N
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):

ULN = 200 (-10%) - 240 (+10%) V, Rated operational current At 150% overload: $I_e = 7 \text{ A}$, Note: Rated operational current at an operating frequency of 16 kHz and an ambient air temperature of +50 °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: IP20/NEMA 0, Interface/field bus (built-in): OP-Bus (RS485)/Modbus RTU, CANopen®, Fieldbus connection (optional): SmartWire-DT, Fitted with: 7-digital display assembly, Frame size: FS1, Connection to SmartWire-DT: with SmartWire-DT module DX-NET-SWD3, Standards: Specification for general requirements: IEC/EN 61800-2, EMC requirements: IEC/EN 61800-3, Safety requirements: IEC/EN 61800-5-1 [Delivery program

This item will continue to be available for a limited time only....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DC1-S27D0NN-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.